

CAPTURAS DEL CODIGO DEL SERVIDOR PYTHON.

- Importamos los paquetes que utilizaremos
- Tambien utilizamos las variables de entorno

```
SemiT4_201314439 > Servidor-Python > server.py > ...
  Click here to ask Blackbox to help you code faster
1  from flask import Flask, request, jsonify
2  from dotenv import load_dotenv
3  import boto3
4  import base64
5  import os
6
7  app = Flask(__name__)
8
9  # Cargar variables de entorno desde el archivo .env
10 load_dotenv()
11
12 # Obtener las variables de entorno
13 AWS_ACCESS_KEY_ID = os.getenv('AWS_ACCESS_KEY_ID')
14 AWS_SECRET_ACCESS_KEY = os.getenv('AWS_SECRET_ACCESS_KEY')
15 AWS_REGION = os.getenv('AWS_REGION')
16
17 # Configurar el cliente de Rekognition
18 rekognition_client = boto3.client('rekognition',
19 |                               |                               |                               |
20 |                               |                               |                               |
21 |                               |                               |                               |
22 |                               |                               |                               |
23 |                               |                               |                               |
24 |                               |                               |                               |
25 |                               |                               |                               |
26 |                               |                               |                               |
27 |                               |                               |                               |
28 |                               |                               |                               |
29 |                               |                               |                               |
30 |                               |                               |                               |
31 |                               |                               |                               |
32 |                               |                               |                               |
33 |                               |                               |                               |
34 |                               |                               |                               |
35 |                               |                               |                               |
36 |                               |                               |                               |
37 |                               |                               |                               |
38 |                               |                               |                               |
39 |                               |                               |                               |
40 |                               |                               |                               |
41 |                               |                               |                               |
42 |                               |                               |                               |
43 |                               |                               |                               |
44 |                               |                               |                               |
45 |                               |                               |                               |
46 |                               |                               |                               |
47 |                               |                               |                               |
48 |                               |                               |                               |
49 |                               |                               |                               |
50 |                               |                               |                               |
51 |                               |                               |                               |
52 |                               |                               |                               |
53 |                               |                               |                               |
54 |                               |                               |                               |
55 |                               |                               |                               |
56 |                               |                               |                               |
57 |                               |                               |                               |
58 |                               |                               |                               |
59 |                               |                               |                               |
60 |                               |                               |                               |
61 |                               |                               |                               |
62 |                               |                               |                               |
63 |                               |                               |                               |
64 |                               |                               |                               |
65 |                               |                               |                               |
66 |                               |                               |                               |
67 |                               |                               |                               |
68 |                               |                               |                               |
69 |                               |                               |                               |
70 |                               |                               |                               |
71 |                               |                               |                               |
72 |                               |                               |                               |
73 |                               |                               |                               |
74 |                               |                               |                               |
75 |                               |                               |                               |
76 |                               |                               |                               |
77 |                               |                               |                               |
78 |                               |                               |                               |
79 |                               |                               |                               |
80 |                               |                               |                               |
81 |                               |                               |                               |
82 |                               |                               |                               |
83 |                               |                               |                               |
84 |                               |                               |                               |
85 |                               |                               |                               |
86 |                               |                               |                               |
87 |                               |                               |                               |
88 |                               |                               |                               |
89 |                               |                               |                               |
90 |                               |                               |                               |
91 |                               |                               |                               |
92 |                               |                               |                               |
93 |                               |                               |                               |
94 |                               |                               |                               |
95 |                               |                               |                               |
96 |                               |                               |                               |
97 |                               |                               |                               |
98 |                               |                               |                               |
99 |                               |                               |                               |
100 |                               |                               |                               |
101 |                               |                               |                               |
102 |                               |                               |                               |
103 |                               |                               |                               |
104 |                               |                               |                               |
105 |                               |                               |                               |
106 |                               |                               |                               |
107 |                               |                               |                               |
108 |                               |                               |                               |
109 |                               |                               |                               |
110 |                               |                               |                               |
111 |                               |                               |                               |
112 |                               |                               |                               |
113 |                               |                               |                               |
114 |                               |                               |                               |
115 |                               |                               |                               |
116 |                               |                               |                               |
117 |                               |                               |                               |
118 |                               |                               |                               |
119 |                               |                               |                               |
120 |                               |                               |                               |
121 |                               |                               |                               |
122 |                               |                               |                               |
123 |                               |                               |                               |
124 |                               |                               |                               |
125 |                               |                               |                               |
126 |                               |                               |                               |
127 |                               |                               |                               |
128 |                               |                               |                               |
129 |                               |                               |                               |
130 |                               |                               |                               |
131 |                               |                               |                               |
132 |                               |                               |                               |
133 |                               |                               |                               |
134 |                               |                               |                               |
135 |                               |                               |                               |
136 |                               |                               |                               |
137 |                               |                               |                               |
138 |                               |                               |                               |
139 |                               |                               |                               |
140 |                               |                               |                               |
141 |                               |                               |                               |
142 |                               |                               |                               |
143 |                               |                               |                               |
144 |                               |                               |                               |
145 |                               |                               |                               |
146 |                               |                               |                               |
147 |                               |                               |                               |
148 |                               |                               |                               |
149 |                               |                               |                               |
150 |                               |                               |                               |
151 |                               |                               |                               |
152 |                               |                               |                               |
153 |                               |                               |                               |
154 |                               |                               |                               |
155 |                               |                               |                               |
156 |                               |                               |                               |
157 |                               |                               |                               |
158 |                               |                               |                               |
159 |                               |                               |                               |
160 |                               |                               |                               |
161 |                               |                               |                               |
162 |                               |                               |                               |
163 |                               |                               |                               |
164 |                               |                               |                               |
165 |                               |                               |                               |
166 |                               |                               |                               |
167 |                               |                               |                               |
168 |                               |                               |                               |
169 |                               |                               |                               |
170 |                               |                               |                               |
171 |                               |                               |                               |
172 |                               |                               |                               |
173 |                               |                               |                               |
174 |                               |                               |                               |
175 |                               |                               |                               |
176 |                               |                               |                               |
177 |                               |                               |                               |
178 |                               |                               |                               |
179 |                               |                               |                               |
180 |                               |                               |                               |
181 |                               |                               |                               |
182 |                               |                               |                               |
183 |                               |                               |                               |
184 |                               |                               |                               |
185 |                               |                               |                               |
186 |                               |                               |                               |
187 |                               |                               |                               |
188 |                               |                               |                               |
189 |                               |                               |                               |
190 |                               |                               |                               |
191 |                               |                               |                               |
192 |                               |                               |                               |
193 |                               |                               |                               |
194 |                               |                               |                               |
195 |                               |                               |                               |
196 |                               |                               |                               |
197 |                               |                               |                               |
198 |                               |                               |                               |
199 |                               |                               |                               |
200 |                               |                               |                               |
201 |                               |                               |                               |
202 |                               |                               |                               |
203 |                               |                               |                               |
204 |                               |                               |                               |
205 |                               |                               |                               |
206 |                               |                               |                               |
207 |                               |                               |                               |
208 |                               |                               |                               |
209 |                               |                               |                               |
210 |                               |                               |                               |
211 |                               |                               |                               |
212 |                               |                               |                               |
213 |                               |                               |                               |
214 |                               |                               |                               |
215 |                               |                               |                               |
216 |                               |                               |                               |
217 |                               |                               |                               |
218 |                               |                               |                               |
219 |                               |                               |                               |
220 |                               |                               |                               |
221 |                               |                               |                               |
222 |                               |                               |                               |
223 |                               |                               |                               |
224 |                               |                               |                               |
225 |                               |                               |                               |
226 |                               |                               |                               |
227 |                               |                               |                               |
228 |                               |                               |                               |
229 |                               |                               |                               |
230 |                               |                               |                               |
231 |                               |                               |                               |
232 |                               |                               |                               |
233 |                               |                               |                               |
234 |                               |                               |                               |
235 |                               |                               |                               |
236 |                               |                               |                               |
237 |                               |                               |                               |
238 |                               |                               |                               |
239 |                               |                               |                               |
240 |                               |                               |                               |
241 |                               |                               |                               |
242 |                               |                               |                               |
243 |                               |                               |                               |
244 |                               |                               |                               |
245 |                               |                               |                               |
246 |                               |                               |                               |
247 |                               |                               |                               |
248 |                               |                               |                               |
249 |                               |                               |                               |
250 |                               |                               |                               |
251 |                               |                               |                               |
252 |                               |                               |                               |
253 |                               |                               |                               |
254 |                               |                               |                               |
255 |                               |                               |                               |
256 |                               |                               |                               |
257 |                               |                               |                               |
258 |                               |                               |                               |
259 |                               |                               |                               |
260 |                               |                               |                               |
261 |                               |                               |                               |
262 |                               |                               |                               |
263 |                               |                               |                               |
264 |                               |                               |                               |
265 |                               |                               |                               |
266 |                               |                               |                               |
267 |                               |                               |                               |
268 |                               |                               |                               |
269 |                               |                               |                               |
270 |                               |                               |                               |
271 |                               |                               |                               |
272 |                               |                               |                               |
273 |                               |                               |                               |
274 |                               |                               |                               |
275 |                               |                               |                               |
276 |                               |                               |                               |
277 |                               |                               |                               |
278 |                               |                               |                               |
279 |                               |                               |                               |
280 |                               |                               |                               |
281 |                               |                               |                               |
282 |                               |                               |                               |
283 |                               |                               |                               |
284 |                               |                               |                               |
285 |                               |                               |                               |
286 |                               |                               |                               |
287 |                               |                               |                               |
288 |                               |                               |                               |
289 |                               |                               |                               |
290 |                               |                               |                               |
291 |                               |                               |                               |
292 |                               |                               |                               |
293 |                               |                               |                               |
294 |                               |                               |                               |
295 |                               |                               |                               |
296 |                               |                               |                               |
297 |                               |                               |                               |
298 |                               |                               |                               |
299 |                               |                               |                               |
300 |                               |                               |                               |
301 |                               |                               |                               |
302 |                               |                               |                               |
303 |                               |                               |                               |
304 |                               |                               |                               |
305 |                               |                               |                               |
306 |                               |                               |                               |
307 |                               |                               |                               |
308 |                               |                               |                               |
309 |                               |                               |                               |
310 |                               |                               |                               |
311 |                               |                               |                               |
312 |                               |                               |                               |
313 |                               |                               |                               |
314 |                               |                               |                               |
315 |                               |                               |                               |
316 |                               |                               |                               |
317 |                               |                               |                               |
318 |                               |                               |                               |
319 |                               |                               |                               |
320 |                               |                               |                               |
321 |                               |                               |                               |
322 |                               |                               |                               |
323 |                               |                               |                               |
324 |                               |                               |                               |
325 |                               |                               |                               |
326 |                               |                               |                               |
327 |                               |                               |                               |
328 |                               |                               |                               |
329 |                               |                               |                               |
330 |                               |                               |                               |
331 |                               |                               |                               |
332 |                               |                               |                               |
333 |                               |                               |                               |
334 |                               |                               |                               |
335 |                               |                               |                               |
336 |                               |                               |                               |
337 |                               |                               |                               |
338 |                               |                               |                               |
339 |                               |                               |                               |
340 |                               |                               |                               |
341 |                               |                               |                               |
342 |                               |                               |                               |
343 |                               |                               |                               |
344 |                               |                               |                               |
345 |                               |                               |                               |
346 |                               |                               |                               |
347 |                               |                               |                               |
348 |                               |                               |                               |
349 |                               |                               |                               |
350 |                               |                               |                               |
351 |                               |                               |                               |
352 |                               |                               |                               |
353 |                               |                               |                               |
354 |                               |                               |                               |
355 |                               |                               |                               |
356 |                               |                               |                               |
357 |                               |                               |                               |
358 |                               |                               |                               |
359 |                               |                               |                               |
360 |                               |                               |                               |
361 |                               |                               |                               |
362 |                               |                               |                               |
363 |                               |                               |                               |
364 |                               |                               |                               |
365 |                               |                               |                               |
366 |                               |                               |                               |
367 |                               |                               |                               |
368 |                               |                               |                               |
369 |                               |                               |                               |
370 |                               |                               |                               |
371 |                               |                               |                               |
372 |                               |                               |                               |
373 |                               |                               |                               |
374 |                               |                               |                               |
375 |                               |                               |                               |
376 |                               |                               |                               |
377 |                               |                               |                               |
378 |                               |                               |                               |
379 |                               |                               |                               |
380 |                               |                               |                               |
381 |                               |                               |                               |
382 |                               |                               |                               |
383 |                               |                               |                               |
384 |                               |                               |                               |
385 |                               |                               |                               |
386 |                               |                               |                               |
387 |                               |                               |                               |
388 |                               |                               |                               |
389 |                               |                               |                               |
390 |                               |                               |                               |
391 |                               |                               |                               |
392 |                               |                               |                               |
393 |                               |                               |                               |
394 |                               |                               |                               |
395 |                               |                               |                               |
396 |                               |                               |                               |
397 |                               |                               |                               |
398 |                               |                               |                               |
399 |                               |                               |                               |
400 |                               |                               |                               |
401 |                               |                               |                               |
402 |                               |                               |                               |
403 |                               |                               |                               |
404 |                               |                               |                               |
405 |                               |                               |                               |
406 |                               |                               |                               |
407 |                               |                               |                               |
408 |                               |                               |                               |
409 |                               |                               |                               |
410 |                               |                               |                               |
411 |                               |                               |                               |
412 |                               |                               |                               |
413 |                               |                               |                               |
414 |                               |                               |                               |
415 |                               |                               |                               |
416 |                               |                               |                               |
417 |                               |                               |                               |
418 |                               |                               |                               |
419 |                               |                               |                               |
420 |                               |                               |                               |
421 |                               |                               |                               |
422 |                               |                               |                               |
423 |                               |                               |                               |
424 |                               |                               |                               |
425 |                               |                               |                               |
426 |                               |                               |                               |
427 |                               |                               |                               |
428 |                               |                               |                               |
429 |                               |                               |                               |
430 |                               |                               |                               |
431 |                               |                               |                               |
432 |                               |                               |                               |
433 |                               |                               |                               |
434 |                               |                               |                               |
435 |                               |                               |                               |
436 |                               |                               |                               |
437 |                               |                               |                               |
438 |                               |                               |                               |
439 |                               |                               |                               |
440 |                               |                               |                               |
441 |                               |                               |                               |
442 |                               |                               |                               |
443 |                               |                               |                               |
444 |                               |                               |                               |
445 |                               |                               |                               |
446 |                               |                               |                               |
447 |                               |                               |                               |
448 |                               |                               |                               |
449 |                               |                               |                               |
450 |                               |                               |                               |
451 |                               |                               |                               |
452 |                               |                               |                               |
453 |                               |                               |                               |
454 |                               |                               |                               |
455 |                               |                               |                               |
456 |                               |                               |                               |
457 |                               |                               |                               |
458 |                               |                               |                               |
459 |                               |                               |                               |
460 |                               |                               |                               |
461 |                               |                               |                               |
462 |                               |                               |                               |
463 |                               |                               |                               |
464 |                               |                               |                               |
465 |                               |                               |                               |
466 |                               |                               |                               |
467 |                               |                               |                               |
468 |                               |                               |                               |
469 |                               |                               |                               |
470 |                               |                               |                               |
471 |                               |                               |                               |
472 |                               |                               |                               |
473 |                               |                               |                               |
474 |                               |                               |                               |
475 |                               |                               |                               |
476 |                               |                               |                               |
477 |                               |                               |                               |
478 |                               |                               |                               |
479 |                               |                               |                               |
480 |                               |                               |                               |
481 |                               |                               |                               |
482 |                               |                               |                               |
483 |                               |                               |                               |
484 |                               |                               |                               |
485 |                               |                               |                               |
486 |                               |                               |                               |
487 |                               |                               |                               |
488 |                               |                               |                               |
489 |                               |                               |                               |
490 |                               |                               |                               |
491 |                               |                               |                               |
492 |                               |                               |                               |
493 |                               |                               |                               |
494 |                               |                               |                               |
495 |                               |                               |                               |
496 |                               |                               |                               |
497 |                               |                               |                               |
498 |                               |                               |                               |
499 |                               |                               |                               |
500 |                               |                               |                               |
501 |                               |                               |                               |
502 |                               |                               |                               |
503 |                               |                               |                               |
504 |                               |                               |                               |
505 |                               |                               |                               |
506 |                               |                               |                               |
507 |                               |                               |                               |
508 |                               |                               |                               |
509 |                               |                               |                               |
510 |                               |                               |                               |
511 |                               |                               |                               |
512 |                               |                               |                               |
513 |                               |                               |                               |
514 |                               |                               |                               |
515 |                               |                               |                               |
516 |                               |                               |                               |
517 |                               |                               |                               |
518 |                               |                               |                               |
519 |                               |                               |                               |
520 |                               |                               |                               |
521 |                               |                               |                               |
522 |                               |                               |                               |
523 |                               |                               |                               |
524 |                               |                               |                               |
525 |                               |                               |                               |
526 |                               |                               |                               |
527 |                               |                               |                               |
528 |                               |                               |                               |
529 |                               |                               |                               |
530 |                               |                               |                               |
531 |                               |                               |                               |
532 |                               |                               |                               |
533 |                               |                               |                               |
534 |                               |                               |                               |
535 |                               |                               |                               |
536 |                               |                               |                               |
537 |                               |                               |                               |
538 |                               |                               |                               |
539 |                               |                               |                               |
540 |                               |                               |                               |
541 |                               |                               |                               |
542 |                               |                               |                               |
543 |                               |                               |                               |
544 |                               |                               |                               |
545 |                               |                               |                               |
546 |                               |                               |                               |
547 |                               |                               |                               |
548 |                               |                               |                               |
549 |                               |                               |                               |
550 |                               |                               |                               |
551 |                               |                               |                               |
552 |                               |                               |                               |
553 |                               |                               |                               |
554 |                               |                               |                               |
555 |                               |                               |                               |
556 |                               |                               |                               |
557 |                               |                               |                               |
558 |                               |                               |                               |
559 |                               |                               |                               |
560 |                               |                               |                               |
561 |                               |                               |                               |
562 |                               |                               |                               |
563 |                               |                               |                               |
564 |                               |                               |                               |
565 |                               |                               |                               |
566 |                               |                               |                               |
567 |                               |                               |                               |
568 |                               |                               |                               |
569 |                               |                               |                               |
570 |                               |                               |                               |
571 |                               |                               |                               |
572 |                               |                               |                               |
573 |                               |                               |                               |
574 |                               |                               |                               |
575 |                               |                               |                               |
576 |                               |                               |                               |
577 |                               |                               |                               |
578 |                               |                               |                               |
579 |                               |                               |                               |
580 |                               |                               |                               |
581 |                               |                               |                               |
582 |                               |                               |                               |
583 |                               |                               |                               |
584 |                               |                               |                               |
585 |                               |                               |                               |
586 |                               |                               |                               |
587 |                               |                               |                               |
588 |                               |                               |                               |
589 |                               |                               |                               |
590 |                               |                               |                               |
591 |                               |                               |                               |
592 |                               |                               |                               |
593 |                               |                               |                               |
594 |                               |                               |                               |
595 |                               |                               |                               |
596 |                               |                               |                               |
597 |                               |                               |                               |
598 |                               |                               |                               |
599 |                               |                               |                               |
600 |                               |                               |                               |
601 |                               |                               |                               |
602 |                               |                               |                               |
603 |                               |                               |                               |
604 |                               |                               |                               |
605 |                               |                               |                               |
606 |                               |                               |                               |
607 |                               |                               |                               |
608 |                               |                               |                               |
609 |                               |                               |                               |
610 |                               |                               |                               |
611 |                               |                               |                               |
612 |                               |                               |                               |
613 |                               |                               |                               |
614 |                               |                               |                               |
615 |                               |                               |                               |
616 |                               |                               |                               |
617 |                               |                               |                               |
618 |                               |                               |                               |
619 |                               |                               |                               |
620 |                               |                               |                               |
621 |                               |                               |                               |
622 |                               |                               |                               |
623 |                               |                               |                               |
624 |                               |                               |                               |
625 |                               |                               |                               |
626 |                               |                               |                               |
627 |                               |                               |                               |
628 |                               |                               |                               |
629 |                               |                               |                               |
630 |                               |                               |                               |
631 |                               |                               |                               |
632 |                               |                               |                               |
633 |                               |                               |                               |
634 |                               |                               |                               |
635 |                               |                               |                               |
636 |                               |                               |                               |
637 |                               |                               |                               |
638 |                               |                               |                               |
639 |                               |                               |                               |
640 |                               |                               |                               |
641 |                               |                               |                               |
642 |                               |                               |                               |
643 |                               |                               |                               |
644 |                               |                               |                               |
645 |                               |                               |                               |
646 |                               |                               |                               |
647 |                               |                               |                               |
648 |                               |                               |                               |
649 |                               |                               |                               |
650 |                               |                               |                               |
651 |                               |                               |                               |
652 |                               |                               |                               |
653 |                               |                               |                               |
654 |                               |                               |                               |
655 |                               |                               |                               |
656 |                               |                               |                               |
657 |                               |                               |                               |
658 |                               |                               |                               |
659 |                               |                               |                               |
660 |                               |                               |                               |
661 |                               |                               |                               |
662 |                               |                               |                               |
663 |                               |                               |                               |
664 |                               |                               |                               |
665 |                               |                               |                               |
666 |                               |                               |                               |
667 |                               |                               |                               |
668 |                               |                               |                               |
669 |                               |                               |                               |
670 |                               |                               |                               |
671 |                               |                               |                               |
672 |                               |                               |                               |
673 |                               |                               |                               |
674 |                               |                               |                               |
675 |                               |                               |                               |
676 |                               |                               |                               |
677 |                               |                               |                               |
678 |                               |                               |                               |
679 |                               |                               |                               |
680 |                               |                               |                               |
681 |                               |                               |                               |
682 |                               |                               |                               |
683 |                               |                               |                               |
684 |                               |                               |                               |
685 |                               |                               |                               |
686 |                               |                               |                               |
687 |                               |                               |                               |
688 |                               |                               |                               |
689 |                               |                               |                               |
690 |                               |                               |                               |
691 |                               |                               |                               |
692 |                               |                               |                               |
693 |                               |                               |                               |
694 |                               |                               |                               |
695 |                               |                               |                               |
696 |                               |                               |                               |
697 |                               |                               |                               |
698 |                               |                               |                               |
699 |                               |                               |                               |
700 |                               |                               |                               |
701 |                               |                               |                               |
702 |                               |                               |                               |
703 |                               |                               |                               |
704 |                               |                               |                               |
705 |                               |                               |                               |
706 |                               |                               |                               |
707 |                               |                               |                               |
708 |                               |                               |                               |
709 |                               |                               |                               |
710 |                               |                               |                               |
711 |                               |                               |                               |
712 |                               |                               |                               |
713 |                               |                               |                               |
714 |                               |                               |                               |
715 |                               |                               |                               |
716 |                               |                               |                               |
717 |                               |                               |                               |
718 |                               |                               |                               |
719 |                               |                               |                               |
720 |                               |                               |                               |
721 |                               |                               |                               |
722 |                               |                               |                               |
723 |                               |                               |                               |
724 |                               |                               |                               |
725 |                               |                               |                               |
726 |                               |                               |                               |
727 |                               |                               |                               |
728 |                               |                               |                               |
729 |                               |                               |                               |
730 |                               |                               |                               |
731 |                               |                               |                               |
732 |                               |                               |                               |
733 |                               |                               |                               |
734 |                               |                               |                               |
735 |                               |                               |                               |
736 |                               |                               |                               |
737 |                               |                               |                               |
738 |                               |                               |                               |
739 |                               |                               |                               |
740 |                               |                               |                               |
741 |                               |                               |                               |
742 |                               |                               |                               |
743 |                               |                               |                               |
744 |                               |                               |                               |
745 |                               |                               |                               |
746 |                               |                               |                               |
747 |                               |                               |                               |
748 |                               |                               |                               |
749 |                               |                               |                               |
750 |                               |                               |                               |
751 |                               |                               |                               |
752 |                               |                               |                               |
753 |                               |                               |                               |
754 |                               |                               |                               |
755 |                               |                               |                               |
756 |                               |                               |                               |
757 |                               |                               |                               |
758 |                               |                               |                               |
759 |                               |                               |                               |
760 |                               |                               |                               |
761 |                               |                               |                               |
762 |                               |                               |                               |
763 |                               |                               |                               |
764 |                               |                               |                               |
765 |                               |                               |                               |
766 |                               |                               |                               |
767 |                               |                               |                               |
768 |                               |                               |                               |
769 |                               |                               |                               |
770 |                               |                               |                               |
771 |                               |                               |                               |
772 |                               |                               |                               |
773 |                               |                               |                               |
774 |                               |                               |                               |
775 |                               |                               |                               |
776 |                               |                               |                               |
777 |                               |                               |                               |
778 |                               |                               |                               |
779 |                               |                               |                               |
780 |                               |                               |                               |
781 |                               |                               |                               |
782 |                               |                               |                               |
783 |                               |                               |                               |
784 |                               |                               |                               |
785 |                               |                               |                               |
786 |                               |                               |                               |
787 |                               |                               |                               |
788 |                               |                               |                               |
789 |                               |                               |                               |
790 |                               |                               |                               |
791 |                               |                               |                               |
792 |                               |                               |                               |
793 |                               |                               |                               |
794 |                               |                               |                               |
795 |                               |                               |                               |
796 |                               |                               |                               |
797 |                               |                               |                               |
798 |                               |                               |                               |
799 |                               |                               |                               |
800 |                               |                               |                               |
801 |                               |                               |                               |
802 |                               |                               |                               |
803 |                               |                               |                               |
804 |                               |                               |                               |
805 |                               |                               |                               |
806 |                               |                               |                               |
807 |                               |                               |                               |
808 |                               |                               |                               |
809 |                               |                               |                               |
810 |                               |                               |                               |
811 |                               |                               |                               |
812 |                               |                               |                               |
813 |                               |                               |                               |
814 |                               |                               |                               |
815 |                               |                               |                               |
816 |                               |                               |                               |
817 |                               |                               |                               |
818 |                               |                               |                               |
819 |                               |                               |                               |
820 |                               |                               |                               |
821 |                               |                               |                               |
822 |                               |                               |                               |
823 |                               |                               |                               |
824 |                               |                               |                               |
825 |                               |                               |                               |
826 |                               |                               |                               |
827 |                               |                               |                               |
828 |                               |                               |                               |
829 |                               |                               |                               |
830 |                               |                               |                               |
831 |                               |                               |                               |
832 |                               |                               |                               |
833 |                               |                               |                               |
834 |                               |                               |                               |
835 |                               |                               |                               |
836 |                               |                               |                               |
837 |                               |                               |                               |
838 |                               |                               |                               |
839 |                               |                               |                               |
840 |                               |                               |                               |
841 |                               |                               |                               |
842 |                               |                               |                               |
843 |                               |                               |                               |
844 |                               |                               |                               |
845 |                               |                               |                               |
846 |                               |                               |                               |
847 |                               |                               |                               |
848 |                               |                               |                               |
849 |                               |                               |                               |
850 |                               |                               |                               |
851 |                               |                               |                               |
852 |                               |                               |                               |
853 |                               |                               |                               |
854 |                               |                               |                               |
855 |                               |                               |                               |
856 |                               |                               |                               |
857 |                               |                               |                               |
858 |                               |                               |                               |
859 |                               |                               |                               |
860 |                               |                               |                               |
861 |                               |                               |                               |
862 |                               |                               |                               |
863 |                               |                               |                               |
864 |                               |                               |                               |
865 |                               |                               |                               |
866 |                               |                               |                               |
867 |                               |                               |                               |
868 |                               |                               |                               |
869 |                               |                               |                               |
870 |                               |                               |                               |
871 |                               |                               |                               |
872 |                               |                               |                               |
873 |                               |                               |                               |
874 |                               |                               |                               |
875 |                               |                               |                               |
876 |                               |                               |                               |
877 |                               |                               |                               |
878 |                               |                               |                               |
879 |                               |                               |                               |
880 |                               |                               |                               |
881 |                               |                               |                               |
882 |                               |                               |                               |
883 |                               |                               |                               |
884 |                               |                               |                               |
885 |                               |                               |                               |
886 |                               |                               |                               |
887 |                               |                               |                               |
888 |                               |                               |                               |
889 |                               |                               |                               |
890 |                               |                               |                               |
891 |                               |                               |                               |
892 |                               |                               |                               |
893 |                               |                               |                               |
894 |                               |                               |                               |
895 |                               |                               |                               |
896 |                               |                               |                               |
897 |                               |                               |                               |
898 |                               |                               |                               |
899 |                               |                               |                               |
900 |                               |                               |                               |
901 |                               |                               |                               |
902 |                               |                               |                               |
903 |                               |                               |                               |
904 |                               |                               |                               |
905 |                               |                               |                               |
906 |                               |                               |                               |
907 |                               |                               |                               |
908 |                               |                               |                               |
909 |                               |                               |                               |
910 |                               |                               |                               |
911 |                               |                               |                               |
912 |                               |                               |                               |
913 |                               |                               |                               |
914 |                               |                               |                               |
915 |                               |                               |                               |
916 |                               |                               |                               |
917 |                               |                               |                               |
918 |                               |                               |                               |
919 |                               |                               |                               |
920 |                               |                               |                               |
921 |                               |                               |                               |
922 |                               |                               |                               |
923 |                               |                               |                               |
924 |                               |                               |                               |
925 |                               |                               |                               |
926 |                               |                               |                               |
927 |                               |                               |                               |
928 |                               |                               |                               |
929 |                               |                               |                               |
930 |                               |                               |                               |
931 |                               |                               |                               |
932 |                               |                               |                               |
933 |                               |                               |                               |
934 |                               |                               |                               |
935 |                               |                               |                               |
936 |                               |                               |                               |
937 |                               |                               |                               |
938 |                               |                               |                               |
939 |                               |                               |                               |
940 |                               |                               |                               |
941 |                               |                               |                               |
942 |                               |                               |                               |
943 |                               |                               |                               |
944 |                               |                               |                               |
945 |                               |                               |                               |
946 |                               |                               |                               |
947 |                               |                               |                               |
948 |                               |                               |                               |
949 |                               |                               |                               |
950 |                               |                               |                               |
951 |                               |                               |                               |
952 |                               |                               |                               |
953 |                               |                               |                               |
954 |                               |                               |                               |
955 |                               |                               |                               |
956 |                               |                               |                               |
957 |                               |                               |                               |
958 |                               |                               |                               |
959 |                               |                               |                               |
960 |                               |                               |                               |
961 |                               |                               |                               |
962 |                               |                               |                               |
963 |                               |                               |                               |
964 |                               |                               |                               |
965 |                               |                               |                               |
966 |                               |                               |                               |
967 |                               |                               |                               |
968 |                               |                               |                               |
969 |                               |                               |                               |
970 |                               |                               |                               |
971 |                               |                               |                               |
972 |                               |                               |                               |
973 |                               |                               |                               |
974 |                               |                               |                               |
975 |                               |                               |                               |
976 |                               |                               |                               |
977 |                               |                               |                               |
978 |                               |                               |                               |
979 |                               |                               |                               |
980 |                               |                               |                               |
981 |                               |                               |                               |
982 |                               |                               |                               |
983 |                               |                               |                               |
984 |                               |                               |                               |
985 |                               |                               |                               |
986 |                               |                               |                               |
987 |                               |                               |                               |
988 |                               |                               |                               |
989 |                               |                               |                               |
990 |                               |                               |                               |
991 |                               |                               |                               |
992 |                               |                               |                               |
993 |                               |                               |                               |
994 |                               |                               |                               |
995 |                               |                               |                               |
996 |                               |                               |                               |
997 |                               |                               |                               |
998 |                               |                               |                               |
999 |                               |                               |                               |
1000 |                               |                               |                               |
```

- Cargamos las imagenes al servidor y despues sacamos su base 64
- utilizamos boto3 para el cliente de aws

```
SemiT4_201314439 > Servidor-Python > server.py > ...
27
28 @app.route('/tarea4-201314439', methods=['POST'])
29 def procesar_imagen():
30     # Verificar si se proporcionaron ambos archivos
31     if 'file1' not in request.files or 'file2' not in request.files:
32         return jsonify({'error': 'Se deben proporcionar dos archivos'}), 400
33
34     file1 = request.files['file1']
35     file2 = request.files['file2']
36
37     # Guardar las imágenes en el servidor
38     filename1 = file1.filename
39     filename2 = file2.filename
40     file_path1 = os.path.join(UPLOAD_FOLDER, filename1)
41     file_path2 = os.path.join(UPLOAD_FOLDER, filename2)
42     file1.save(file_path1)
43     file2.save(file_path2)
44
45     # Leer las imágenes en formato base64
46     with open(file_path1, "rb") as image_file1:
47         encoded_string1 = base64.b64encode(image_file1.read()).decode()
48     with open(file_path2, "rb") as image_file2:
49         encoded_string2 = base64.b64encode(image_file2.read()).decode()
50
51     # Eliminar las imágenes del servidor
52     os.remove(file_path1)
53     os.remove(file_path2)
54
```

- Recibimos la respuesta y parsemos los campos que queremos
- Devolvemos los campos en forma de json

```
Enunciado.png U  README.md M  .gitignore U  .env  server.py U X
SemiT4_201314439 > Servidor-Python > server.py > ...
29 def procesar_imagen():
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56 # Enviar las imágenes a Rekognition
57 response = rekognition_client.compare_faces(
58     SourceImage={'Bytes': base64.b64decode(encoded_string1)},
59     TargetImage={'Bytes': base64.b64decode(encoded_string2)}
60 )
61
62 # Obtener el porcentaje de similitud
63 similarity_percentage = None
64 if response['FaceMatches']:
65     similarity_percentage = response['FaceMatches'][0]['Similarity']
66
67     return jsonify({'imagen1': filename1, 'imagen2': filename2, 'porcentaje_similitud': similarity_percentage}), 200
68
69 if __name__ == '__main__':
70     app.run(debug=True)
71
```

CAPTURA DEL SERVIDOR CORRIENDO.

- vemos que el puerto esta en el la siguiente ruta

http://localhost:5000

The screenshot shows the Visual Studio Code interface with a Python file named `server.py` open. The file contains a function `procesar_imagen()` that uses the `rekognition_client` to compare faces. The terminal at the bottom shows the server running on `http://127.0.0.1:5000` with a warning that it is a development server. The Explorer sidebar on the left shows the project structure, including a folder named `Servidor-Python` and a file named `server.py`.

```
def procesar_imagen():  
  
    # Enviar las imágenes a Rekognition  
    response = rekognition_client.compare_faces(  
        SourceImage={'Bytes': base64.b64decode(encoded_string1)},  
        TargetImage={'Bytes': base64.b64decode(encoded_string2)}  
    )  
  
    # Obtener el porcentaje de similitud  
    similarity_percentage = None  
    if response['FaceMatches']:  
        similarity_percentage = response['FaceMatches'][0]['Similarity']  
  
    return jsonify({'imagen1': filename1, 'imagen2': filename2, 'porcentaje_similitud': similarity_percentage}), 200  
  
if __name__ == '__main__':  
    app.run(debug=True)
```

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 126-505-415

CAPTURA DEL JSON INGRESADO Y RUTA CREADA (POSTMAN).

EXPLORER

UNTITLED (WORKSPACE)

SemiT4_201314439

Recursos

Enunciado.png

Servidor-Python

aws

credentials

uploads

requirements.txt

server.py

.env

.gitignore

README.md

server.py

29 def procesar_imagen():

55

56 # Enviar las imágenes a Rekognition

57 response = rekognition_client.compare_faces(

58 SourceImage={'Bytes': base64.b64decode(e

59 TargetImage={'Bytes': base64.b64decode(e

60)

61

62 # Obtener el porcentaje de similitud

63 similarity_percentage = None

64 if response['FaceMatches']:

65 similarity_percentage = response['FaceMa

66

67 return jsonify({'imagen1': filename1, 'image

68

69 if __name__ == '__main__':

70 app.run(debug=True)

71

TERMINAL

python - Servidor-Python

WARNING: This is a development server. Do not use it in a produ

ction deployment. Use a production WSGI server instead.

* Running on http://127.0.0.1:5000

Press CTRL+C to quit

* Restarting with stat

* Debugger is active!

* Debugger PIN: 126-505-415

127.0.0.1 - - [12/Mar/2024 16:13:41] "POST /tarea4-201314439 HT

TP/1.1" 200 -

127.0.0.1 - - [12/Mar/2024 16:20:50] "POST /tarea4-201314439 HT

TP/1.1" 200 -

HTTP

http://localhost:5000/tarea4-201314439

POST

http://localhost:5000/tarea4-201314439

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

form-data

Key

Value

Description

file1

File

archivo1.jpg

file2

File

archivo2.jpg

Key

Text

Value

Description

Body

200 OK

1389 ms

272 B

Save as example

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

{

"imagen1": "archivo1.jpg",

"imagen2": "archivo2.jpg",

"porcentaje_similitud": 99.98882293701172

}

Se envia la imagen como tal no como base 64 si no se hace la conversion dentro del servidor como podemos ver en esta area

Nos devuelve el porcentaje de similitud en un 99.98 %

- hacemos uso del endpoint:
<http://localhost:5000/tarea4-201314439>

Imagen es que se cargan

archivo1.png



archivo2.png



Body

200 OK

1389 ms

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

{

"imagen1": "archivo1.jpg",

"imagen2": "archivo2.jpg",

"porcentaje_similitud": 99.98882293701172

}

CAPTURA DEL JSON INGRESADO Y RUTA CREADA (POSTMAN).

UNTITLED (WORKSPACE)

SemiT4_201314439

Recursos

Enunciado.png

Servidor-Python

.aws

credentials

uploads

requirements.txt

server.py

.env

.gitignore

README.md

```
def procesar_imagen():
    # Enviar las imágenes a Rekognition
    response = rekognition_client.compare_faces(
        SourceImage={'Bytes': base64.b64decode(e
        TargetImage={'Bytes': base64.b64decode(e

    # Obtener el porcentaje de similitud
    similarity_percentage = None
    if response['FaceMatches']:
        similarity_percentage = response['FaceMa

    return jsonify({'imagen1': filename1, 'image

if __name__ == '__main__':
    app.run(debug=True)
```

```
WARNING: This is a development server. Do not use it in a produ
ction deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 126-505-415
127.0.0.1 - - [12/Mar/2024 16:13:41] "POST /tarea4-201314439 HT
TP/1.1" 200 -
127.0.0.1 - - [12/Mar/2024 16:20:50] "POST /tarea4-201314439 HT
TP/1.1" 200 -
127.0.0.1 - - [12/Mar/2024 16:26:16] "POST /tarea4-201314439 HT
TP/1.1" 200 -
127.0.0.1 - - [12/Mar/2024 16:29:11] "POST /tarea4-201314439 HT
TP/1.1" 200 -
```

GET http://localhost:5000/tarea4-201314439

POST http://localhost:5000/tarea4-201314439

Params Auth Headers (8) Body Pre-req. Tests Settings Cookies

form-data

Key	Value	Description
<input checked="" type="checkbox"/> file1	File archivo3.jpg	
<input checked="" type="checkbox"/> file2	File archivo4.jpg	
Key	Text Value	Description

Body

200 OK 1263 ms 258 B

Pretty Raw Preview Visualize JSON

```
{
  "imagen1": "archivo3.jpg",
  "imagen2": "archivo4.jpg",
  "porcentaje_similitud": null
}
```

Se envia la imagen como tal no como base 64 si no se hace la conversion dentro del servidor como podemos ver en esta area

Nos devuelve el porcentaje de similitud en un nulo ya que no se parecen

hacemos uso del endpoint:
<http://localhost:5000/tarea4-201314439>

Imagen es que se cargan

archivo3.png



archivo4.png



Body

200 OK

Pretty Raw Preview Visualize JSON

```
1 {
2   "imagen1": "archivo3.jpg",
3   "imagen2": "archivo4.jpg",
4   "porcentaje_similitud": null
5 }
```

LINK GITHUB DE CODIGO EJECUTADO:
https://github.com/HENRRYBRAN-HUB/SEMIT4_201314439