

SUPER SEARCH WITH OPENSEARCH & PYTHON



by @laysaucha

self.intro()



@aiven_io

AIVEN

OSS DATABASES

PYLADIES MUNICH



@laysaucha

Agenda

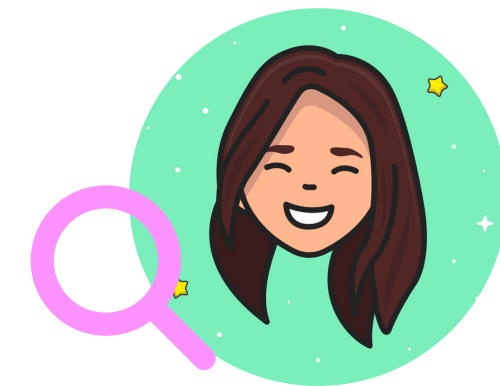
WHAT IS OPENSEARCH?



WHY OPENSEARCH?



SEARCH QUERIES/DEMO



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WHAT?





**OPEN
SOURCE**

But not
only that...



**SEARCH
ENGINE**

Which is
pretty cool :)



**ANALYTICS
SUITE**

Which is
even cooler :)

WHY ?



Super Powers

Super Powers



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Super Powers

Multilingual

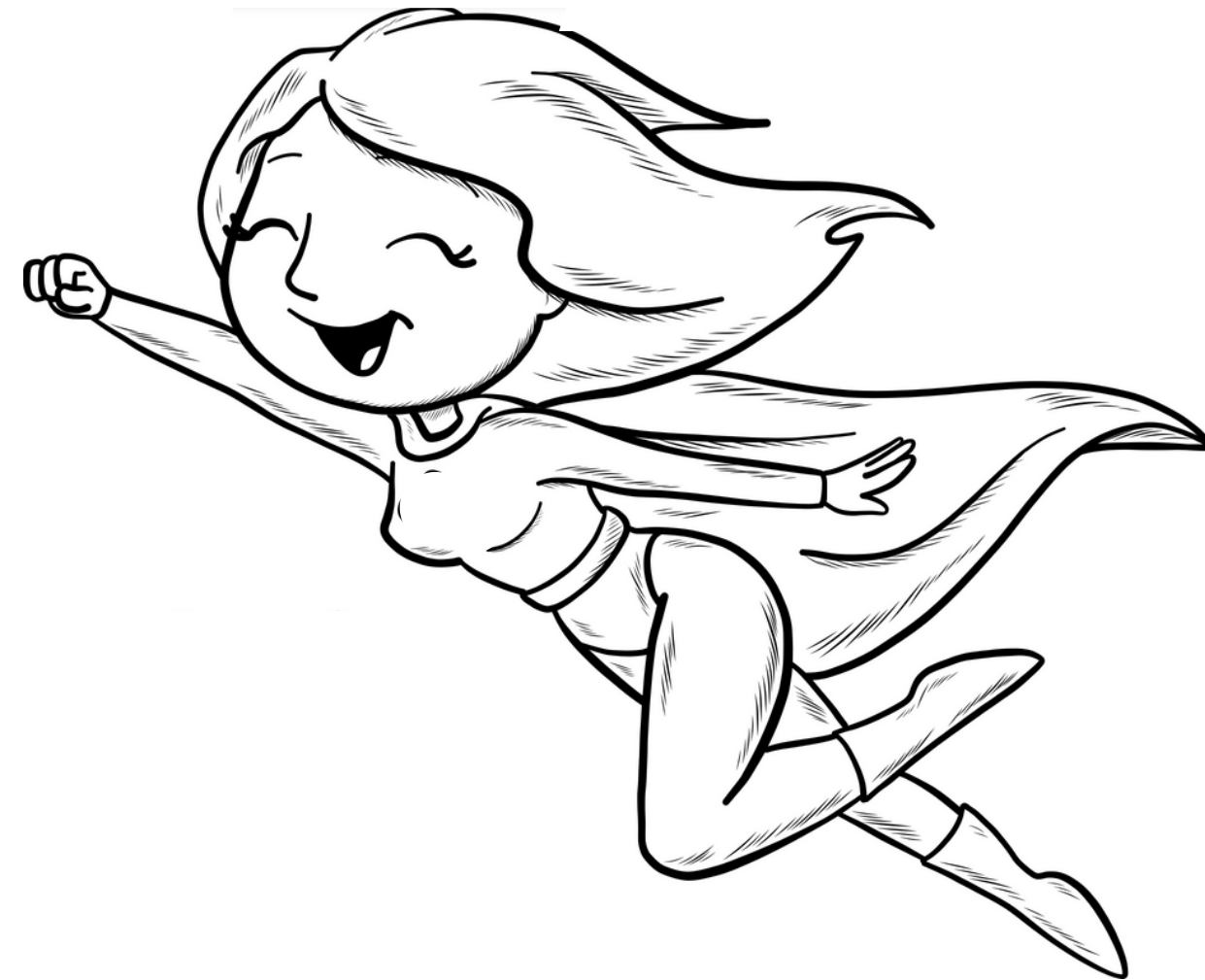


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Super Powers

Multilingual

Autocompletion



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Super Powers

Multilingual

Autocompletion

Fuzzy searching



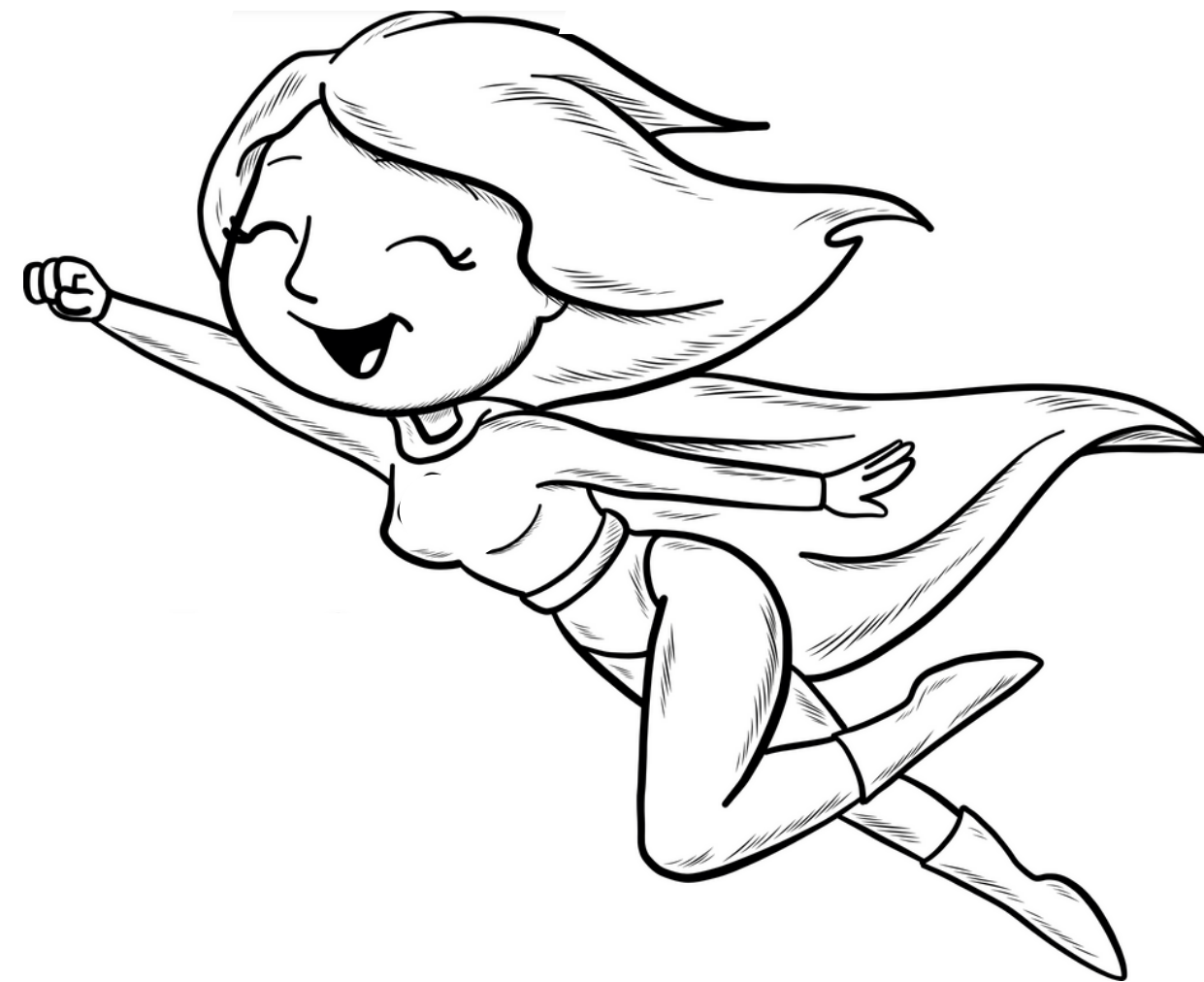
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Super Powers

Multilingual

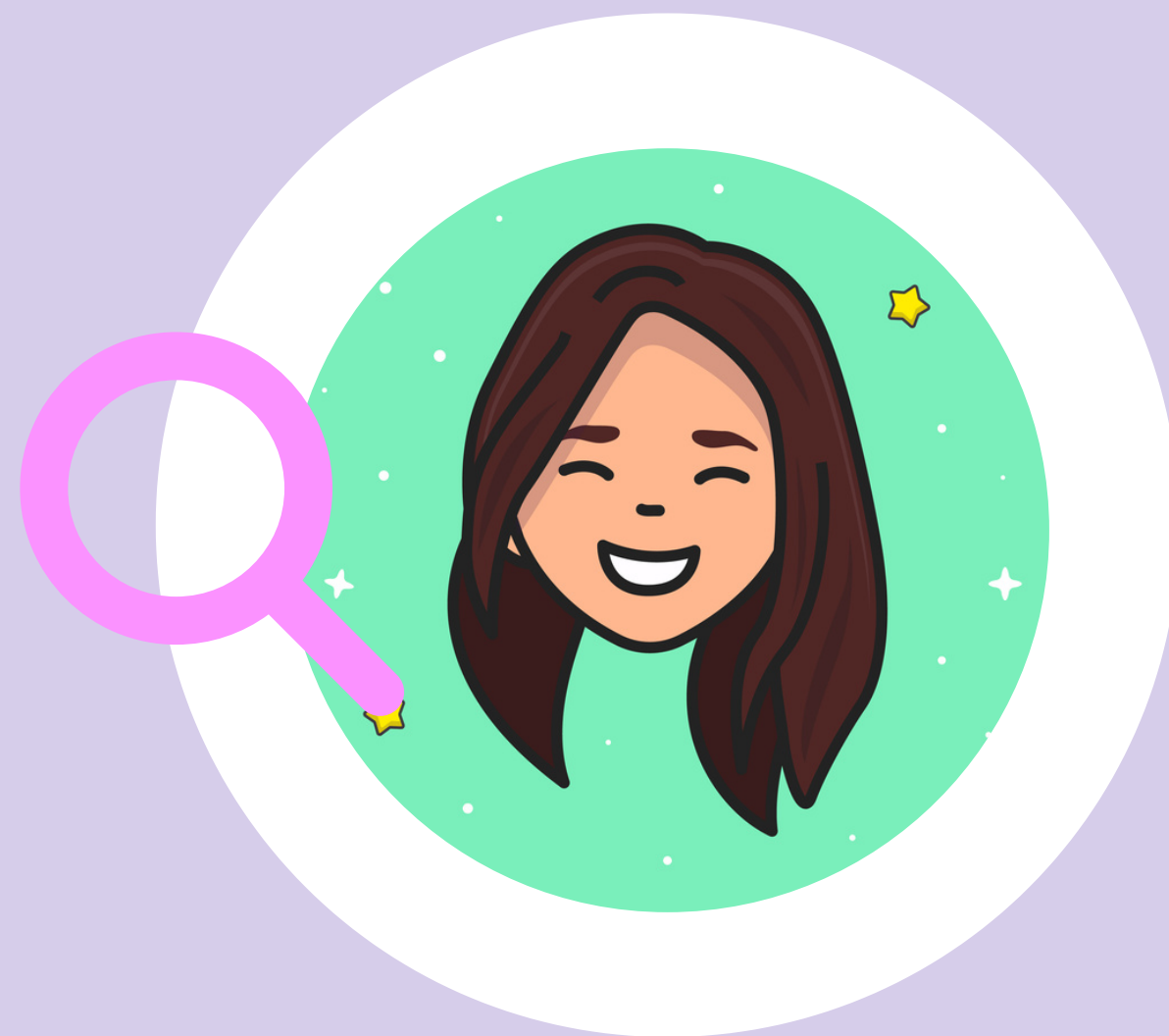
Autocompletion

Fuzzy searching



Dynamic mapping

SEARCH



Demo

PYTHON

OPENSEARCH

LOTS OF DATA

laysaucha/**opensearch- python-dive-in**

OpenSearch queries in Python



2

Contributors



0

Issues



0

Stars



1

Fork



laysaucha/opensearch-python-dive-in: OpenSearch queries in Python

OpenSearch queries in Python. Contribute to laysaucha/opensearch-python-dive-in development by creating an account on GitHub.



MATCH

```
client.search(
```

```
)
```



```
client.search(  
  index="recipes",
```

```
)
```

```
client.search(  
  index="recipes",  
  body= {
```

```
) }
```

```
client.search(  
  index="recipes",  
  body= {  
    "query": {
```

```
    }
```

```
  }
```

```
)
```

```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "<query-type>": {  
  
    }  
  }  
)
```

```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "match": {  
  
  
    }  
  }  
)
```

```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "match": {  
        <field-name> : {  
  
      }  
    }  
  }  
)
```

```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "match": {  
        "title": {  
  
  
        }  
      }  
    }  
  )
```

```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "match": {  
        "title": {  
          "query": <your-search> ,  
          "operator": <AND/OR>  
        }  
      }  
    }  
  )
```



```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "match": {  
        "title": {  
          "query": "Chocolate Garlic",  
          "operator": "AND"
```

```
        }  
      }  
    }  
  )  
}
```

'Chocolate-Garlic Mojo with Toasted Cuban Bread'

MATCH

PHRASE

'Pineapple Ice-Cream Cake with Coconut Topping '

Pos 1

Pos 2

Pos 3

Doc:

Cake

with

Coconut

Pos 1

Pos 2

Pos 3

Doc:

Cake

with

Coconut

Query:

Cake

coconut

Pos 1

Pos 2

Pos 3

Doc:

Cake

with

Coconut

Query:

Cake

coconut

Slop 1:

Pos 1

Pos 2

Pos 3

Doc:

Cake

with

coconut

Query:

Cake

coconut

Stop 1:

Cake



coconut



FUZZY

QUERY

```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "fuzzy": {  
        }  
      }  
    }  
  )
```



```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "fuzzy": {  
        "title": {  
          }  
        }  
      }  
    }  
  )
```

```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "fuzzy": {  
        "title": {  
          "value": "desert",  
          "fuzziness": 1  
        }  
      }  
    }  
  }  
)
```

```
client.search(  
  index="recipes",  
  body= {  
    "query": {  
      "fuzzy": {  
        "title": {  
          "value": "desert",  
          "fuzziness": 1  
        }  
      }  
    }  
  }  
)
```

```
[ 'Mango and Melon Dessert',  
  'Room 4 Dessert Sour',  
  'Room 4 Dessert Sour',  
  'Dessert Pancakes with Custard and  
  Berries ' ]
```

THANK YOU!!!



Feel free to ask questions or let's connect!

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GitHub repository






MANAGED AND HOSTED

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