# Goutom Roy

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## Career Objective

I am a full stack de elo! e" and a #ig fan of f"ee and o! en sou"ce so$%a"e. &' e(! e"ience ! "ima"il' lies %ith the use of )' thon, D*ango +a )' thon #ased %e# f"ame%o"k,, –nd"oid a! ! lica. on de elo! ment and managing a"ious –∕0 se" ices such as 123, 04, 5D0 etc o" an' linu( ! s. &' inte"est is #eing in ol ed in e e"' ! hase of the so$%a"e de elo! ment ! "ocess. I ha e 6+ ' ea"s of )' thon7D*ango e(! e"ience %ith 6+ ' ea"s of –nd"oid a! ! lica. on de elo! ment e(! e"ience.

**What I will do**

- I %ill #e ! "otot' ! ing of ' ou" idea.
- I %ill %"ite "es8ul a! is using ! ' thon+D*ango,
- I %ill %"ite test cases fo" a! is.
- I %ill %"ite7gene"ate documenta. on fo" a! is.
- I %ill u! load ! "o*ect to ama9on o" an' linu( se" e".
- I %ill %"ite efficient, maintainable and reusable code for and"oid a! ! lica. on.

## ACM (Association for Computing Machinery) programming skill

- &ost of m' uni e"sit' life I s! ent on –2& ! "og"amming in : ; – online *udge , 0! he"e <nline =udge .

- 0ol ed 486 ! "o#lems using 2, 2++, 0>? and a#out @6 solu. ons a"e ! ending as )1+! "esenta. on e"'"o",.&' : ; – ! "oAle can #e found he"e.

- –Bended countless online, local ! "og"amming contests %ith team o" ! e"sonall'. I aBended in **NCPC** +Ca. onal 2om! ute" )"og"amming 2ontest,and **ICPC**+Inte"na. onal 2om! ute" )"og"amming 2ontest, on #ehalf of 0hah*alal : ni e"sit' of 0cience and >echnolog' %ith m' team in 3008.

## Areas of Expertise

**Programming Languages:**                  2, 2++, )' thon, =a a

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|---|---|
| **Databases:** | 5edis, )ostg"e0D?, &ongoDB, Ceo4* |
| **Platforms:** | EC: 7?inu(, ⁄indo%s, –nd"oid |
| **Backend Technologies:** | D*ango, 510>ful %e# se" ices using D5F, D*ango 2hannel 3, as'ncio, –iohB! , 2ele"' , Eunico"n, Cgin(, &emcached. |
| **Frontend Technologies:** | –nd"oid, –iohB! , =0<C |
| **Tools:** | Eit, 00G, Bash, Eoogle Fla o"ed &a"kdo%n, )' 2ha"m, –nd"oid 0tudio, 1cli! se, i, ! g-dmin, 0D? De elo! e", ?i#"e<Hce %"ite", &ic"oso$ <Hce |
| **IaaS/PaaS:** | –⁄0 123, Ge"oku, Digital<cen |

## Pure Python Projects

- **"Wordforge", a Localization tool.Wordforge** is a **Sourceforge.net** ! "o*ect %hich is a **localization tool** ta"geted fo" easing the ! "ocess of **localization** #' ! "o iding man' automated featu"es. &' *o# is to ca""' out **research** and **implement** ne% featu"es in this tool +**Wordforge**, that **accelerates** the %hole **localization process, ensures error free localization** and **enables** no ice locali9e"s to locali9e %ith ease. I used **python, PyQt** to de elo! this tool. >he details of the ! "o*ect can #e found [he"e](#).

## Developed Android Applications

| | |
|---|---|
| [⁄o"k=a! an](#) | –*o# seeking a! ! lica. on fo" fo"eigne"s in =a! an. I %"ote %hole a! ! lica. on. |
| [0ma"t Gome](#) | It is a **IOT** ! "o*ect.I %as "es! onsi#le fo" adding, cont"olling all %iA de ices+light cont"olle", light senso", cu"tains, to this a! ! lica. on using mI B ! aho client communica. ng %ith mI B mosI uito se" e" and mesh net%o"k #et%een %iA o" B?1 #ased de ices. |
| 2a" In ento"' fo" [ca" ision](#) | –n and"oid a! ! scans ca"s #a"code7I "Jcode %hen a""i e A"st in the ault to sell. –$e" scanning , it hits a thi"d ! a"t' a! i fo" its com! lete mechanical info"ma. on to sto"e data in se" e" so that late" the' can sho% it to custome" #' sea"ching.Ge"e I used 0na! d"agon Face "ecogni9a. on sdk. |
| 1m! Io' ee >iming7sala"' | – ta#let %ill #e hanging in the f"ont doo" of oHce %ith an a! ! of face |

| | |
|---|---|
| t"acke" %ith face "ecogni. on7detec. on fo" [ca"_ision] | "ecogni. on ca! a#ilit'. ⁄ hen an em! lo' ee comes a! ! "ecogni9e the ! e"son and make an ent"' 7e(it in se" e". It has e"' good admin ! anel %hich gene"ates em! lo' ees sala"' #ased on . ming, K ! e" hou" o" monthl' #asis.>he"e is also an a! ! fo" "egiste"ing em! lo' ee. |
| [EoF"esh] | ‒n ecomme"ce a! ! lica. on fo" Bangladesh. I %"ote %hole a! ! lica. on. |
| [Fo"gi_e fo" Eood] | Learning how to forgive by Dr. Fred Luskin. I wrote whole application. |

## Server Side Projects

| | |
|---|---|
| [⁄ o"k=a! an] | ‒ *o# seeking a! ! lica. on fo" fo"eigne"s in ₌a! an.&' "es! onsi#ili. es %as to #uild a inte" ie% . me scheduling a! i se" ice, #uilding admin inte"face, use" ! "oAle management, no. Aca. ons se" ice a! i, use"ls *o# a! ! lica. on management.<br><br>**Technology used**⫼D*ango, d*angoJ"estJf"ame%o"k, cele"', "edis, ! ostg"esⅡl, ngin(, F2&, gunico"n, ec3 |
| 2a" In_ento"' fo" [ca"_ision] | ‒n and"oid a! ! scans ca"s #a"code7l "Jcode %hen a""i_e A"st in the _ault to sell. ‒$e" scanning , it hits a thi"d ! a"t' a! i fo" its com! lete mechanical info"ma. on to sto"e data in se" e" so that late" the' can sho% it to custome" #' sea"ching.<br><br>**Technology used**⫼D*ango, d*angoJ"estJf"ame%o"k, ! ostg"esⅡl, ngin(, gunico"n, ec3 |
| 1m! lo' ee >iming7sala"' t"acke" %ith face "ecogni. on7detec. on fo" [ca"_ision] | ‒ ta#let %ill #e hanging in the f"ont doo" of oHce %ith an a! ! of face "ecogni. on ca! a#ilit'. ⁄ hen an em! lo' ee comes a! ! "ecogni9e the ! e"son and make an ent"' 7e(it in se" e". It has e"' good admin ! anel %hich gene"ates em! lo' ees sala"' #ased on . ming, K ! e" hou" o" monthl' #asis.>he"e is also an a! ! fo" "egiste"ing em! lo' ee.<br><br>**Technology used**⫼D*ango, d*angoJ"estJf"ame%o"k, ! ostg"esⅡl, ngin(, gunico"n, ec3 |
| [EoF"esh] J an ecomme"ce a! ! lica. on to connect all the su! e" sho! of Bangladesh. | **Technology used**⫼D*ango, d*angoJ"estJf"ame%o"k, ! ostg"esⅡl, ngin(, gunico"n, Digital<cen |

## Undergraduate thesis

>itled **"Pattern matching algorithm analysis and their implementation on bioinformatics"** Based on the anal'sis of diNe"ent mul. ! le seI uence alignment algo"ithms and thei" ! e"fo"mance measu"ement on #uilding ! h' logene. c t"ee.

## Online Profiles

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-ngel?ist                          hB! sM77angel.co7goutomJ"o'

## Job Experience

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                                              =anua"' 3010 to 0e! tem#e" 3013 P 3 ' ea" 10
                                              months.

0u""ound-! ! s Inc. ?td.                      -s a ! ' thon de elo! e".
                                               Co em#e" 3013 to Fe#"ua"' 3014 P 1 ' ea" 4
                                              months

AplombTech BD                                 As a Android developer.
                                              January 2016 to June 2017 – 1 year 6
                                              months

∕ <50 =-)-C 2o.,?td                           -s lead and"oid de elo! e" as %ell as #ackend
                                              se" ice de elo! e".
                                              =ul' 3017 to ! "esent P 1 ' ea" 6+ months

## Education

3006 P 3010, De! a"tment of 2om! ute" 0cience Q 1nginee"ing , 0hah*alal : ni e"sit' of 0cience and ⊁echnolog'.

## Reference

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