Goutom Roy

Dhaka, Bangladesh

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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 .</p>
- 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

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

Otudio, 1cli! se, i, ! g-dmin, 0D? De elo! e", ?i#"e<Hce %"ite",

&ic"oso\$ <Hce

laaS/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

<u>o"k-a! an</u> - *o# seeking a! ! lica. on fo" fo"eigne"s in -a! an. I %"ote %hole

a!!lica. on.

It is a **IOT**! "o*ect.l %as "es! onsi#le fo" adding, cont"olling all %iA

Oma"t Gome

de ices+light cont"olle", light senso", cu"tains, to this a!! lica. on u

de ices+light cont"olle", light senso", cu"tains, to this a!!lica. on using ml B! aho client communica. ng %ith ml B mosl 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 code7! "Jcode %hen a ii 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! 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" month!

#asis.>he"e is also an a!! fo" "egiste"ing em! lo' ee.

EoF"esh

Fo"gi e fo" Eood

–n ecomme"ce a! ! lica. on fo" Bangladesh. I %"ote %hole a! ! lica. on.

Learning how to forgive by Dr. Fred Luskin. I wrote whole application.

Server Side Projects

/ o"k=a! an

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se" ice, #uilding admin inte"face, use"! "oAle management,
no. Aca. ons se" ice a! i, use"ls *o# a!! lica. on
management.

Technology usedMD*ango, d*angoJ"estJf"ame%o"k, cele"', "edis, ! ostg"esl I, ngin(, F2&, gunico"n, ec3

2a" In ento"' fo" ca" ision

-n and"oid a!! scans ca"s #a"code71 "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.

Technology usedMD*ango, d*angoJ"estJf"ame%o"k, ! ostg"esl I, ngin(, gunico"n, ec3

1m! lo' ee >iming7sala"' t"acke" %ith face "ecogni. on7detec. on fo" ca" ision

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Technology used D*ango, d*angoJ"estJf"ame%o"k, ! ostg"esl I, ngin(, gunico"n, ec3

<u>EoF"esh</u> 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"esl I, 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 sel uence alignment algo"ithms and thei"! e"fo"mance measu"ement on #uilding! h' logene. c t"ee.

Online Profiles

Eithu# <u>hB! sM7githu#.com7goutom"o' 7</u>

-ngel?ist <u>hB! sM7angel.co7goutomJ"o'</u>

Job Experience

-C0: 5 I2> D1; 1?<) &1C> F<: CD->I<C -s a! 'thon de elo! e".

=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

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/<50 = -)-C 20.,?td 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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Gead, De! a"tment of 2om! ute" Ocience and 1 nginee "ing

Ohah*alal: ni e"sit' of Ocience and >echnolog'

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