ARAFAT HASAN

Continuous Learner · Computer Nerd

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SUMMARY

Last semester student of Computer Science and Engineering at Mawlana Bhashani Science and Technology University. An utter computer nerd who loves Vim, Linux and enjoys customizing all of the development environments. Inquisitive of learning new technologies and tools. A stoic spectator of the universe.

EXPERIENCE

Software Engineer, Intern (Remote)
MATs Inc.

📅 August 2018 – September 2018   📍 United States

- Worked in a local team consisting of four members.
- Used Maven, Java, Selenium WebDriver, Python Scrapy.
- Have tested many websites and crawled a substantial amount of data.
- Have learned Jenkins and gathered a lot of real life work experiences.

PROBLEM SOLVING

- Solved more than 1500 online problems in various online judges like Uva, LightOJ, Codeforces, Codechef, SPOJ, HackerRank, Toph.
- Participated in BACS KUET Programming Training Camp 2017.
- Participated in about 300 online programming contest, more than 15 onsite/online intra-university programming contest, about 5 onsite/online national inter-university programming contest around the country. BUET, IUT, JU, MBSTU contests are citable among the inter-univs.

CO-CURRICULAR ACTIVITIES

Competitive Programming Trainer
Competitive Programming Club, CSE, MBSTU

📅 March 2019 – Ongoing   📍 Tangail, Bangladesh

- Teach classes of junior fellows on competitive programming in the department.
- Area of teaching interest is algorithms and data structure.
- Teach C/C++ concentrated competitive programming.

Various Volunteering Activities
Dept. of CSE, MBSTU

📅 2016– Ongoing   📍 Tangail, Bangladesh

- Have managed the department's own server (HP ProLiant ML350), operated it as a print server and a webserver to run an attendance management system. It's still up and running.
- Processed data and generated information of about 1200 students and teachers using Excel for a study run by Institutional Quality Assurance Cell.

Volunteer of Various Programming Contests
Dept. of CSE, MBSTU

📅 Various Events   📍 Tangail, Bangladesh

- We have organized numerous contest including 1st MBSTU CSE Carnival'17.
- We have worked even till dawn to organize these events and we all enjoyed that.

LIFE PHILOSOPHY

"If you don't have any shadows, you're not standing in the light."

PERSONALITY TRAIT

INTP-A (Assertive Logician)
www.16personalities.com/profiles/40c18fa14381f
Enjoy taking an unconventional approach to many aspects of life.

MOST PROUD OF

Avid Reader
Loves buying, reading and smelling books. A good book is an event in my life. I do not have a favorite book, I have hundreds.

Problem Solver
Loves programming and solving interesting mathematical and algorithmic problems.

Open Source Enthusiast
Uses and loves to contribute in open sources. A Linux lover who believes in the power of open source.

Continuous Learner
Never stopped learning to confirm a reality I know is there, but which I have not experienced.

EDUCATION

B.Sc. in Computer Science and Engineering
🏛 **Mawlana Bhashani Science and Technology University**

📅 Jan '15 – June '20   📍 Bangladesh

Higher Secondary School Certificate Program
🏛 **Carmichael College**

📅 June '15   📍 Rangpur, Bangladesh

Secondary School Certificate Program
🏫 **Rangpur Zilla School**

📅 June '13   📍 Rangpur, Bangladesh

SKILLS & TECHNOLOGIES

C/C++ Python Java SQL LaTeX Vim Script

System Administration Linux Bash Vim Git

Selenium WebDriver Maven Python Scrapy Microsoft Excel

PUBLICATIONS

Journal Paper

Intelligent waste management system using deep learning with IoT

📅 September 2020 📍 Journal of King Saud University

Reflects a capable architecture of the waste management system based on deep learning and IoT. The proposed model renders an astute way to sort digestible and indigestible waste using a convolutional neural network.
https://doi.org/10.1016/j.jksuci.2020.08.016

PROJECTS

UVa Tool
C++ cURL

🔗 https://github.com/arafat-hasan/uva-tool

Command Line Based Tool for UVa onlinejudge with features of submitting and uHunting. Uva-tool logs in and out to the site, submits problems to the judge queue and hunts for problems.

Facebook Manager
Java Selenium WebDriver Maven

🔗 https://github.com/arafat-hasan/FacebookManager

A fancy project which builds an excel file containing a list of all Facebook friends of the user. The program can:
- Login to Facebook using username and password and save cookies to a file.
- Go to friend list page of the user and scroll down until all profiles loaded.
- Scrap all profiles name, id etc. which are available.
- Save Scraped data to an excel file.
- Navigate every profile using data from the excel file.

Dictionary Builder
Python LaTeX PyLaTeX

🔗 https://github.com/arafat-hasan/build-dictionary-of-given-word-list

This program makes a dictionary of English language in a printable format of supplied words using (unofficial) Google Dictionary API. LaTeX has been used to prepare the dictionary and PyLaTeX has been used to prepare that huge LaTeX file.

Vim for Competitive Programmers
Vim Script Bash

🔗 https://github.com/arafat-hasan/vim_cp

A vim plug-in specially designed for competitive programmers. It automatically loads date, problem link, problem name, verdict etc. in place of specific wild-cards and can test sample input data with the sample output.

SOFT SKILLS

Structured & Critical Thinking Perfectionism
Troubleshooting Attentive Listening

LANGUAGES

Bengali ●●●●●
English ●●●●○

PROFILES

LinkedIn
/in/arafat-hasan

StackOverflow 1050+ Rep
/users/7829174/arafat-hasan

Github 12 Repos
/arafat-hasan

Codeforces 1434 Max
/profile/arafat_hasan

uHunt 371 Problems
/id/859424 (arafat_hasan)

Skype
live:arafathasanjenin

Twitter
/Arafat_HJ

Facebook
/arafathasanjenin

REFEREES

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