ARAFAT HASAN

Continuous Learner · Outsider Observer

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SUMMARY

A curious, enthusiastic continuous learner and an utter computer nerd, an open-source advocate who loves Vim and Linux. Innately devise a better and perfect problem-solving method for challenging tasks. Read books and love to. Interested in philosophy, history, politics, literature, technology, and psychology. Think of me as a stoic observer 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, Leetcode etc.
- 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.

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.

📑 Bangdatetime   `Python` `PyPi`
🔗 https://github.com/arafat-hasan/bangladatetime

Python package for Bengali calendar (i.e Bangabdo).

📑 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.

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 '16 – Mar '21   📍 Bangladesh

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

📅 June '15   📍 Rangpur, Bangladesh

Secondary School Certificate Program
🏛 **Rangpur Zilla School**

📅 June '13   📍 Rangpur, Bangladesh

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.

Dhaka-AI

`Python` `Tensorflow` `YOLOv5`

🔗 https://github.com/arafat-hasan/dhaka-ai

My solution of Dhaka Ai Traffic Detection Challenge, an international AI-based Dhaka Traffic Detection Challenge funded by Elsevier.

SKILLS & TECHNOLOGIES

`C/C++` `Python` `Java` `SQL` `LaTeX` `Vim Script`

`System Administration` `Linux` `Bash` `Vim` `Git`

`Selenium WebDriver` `Maven` `Python Scrapy` `Microsoft Excel`

CO-CURRICULAR ACTIVITIES

Competitive Programming Trainer
Competitive Programming Club, CSE, MBSTU

📅 March 2019 – Ongoing   📍 Tangail, Bangladesh

- Conducted regular classes regarding Competitive Programming
- Trained students about ACM ICPC and other Programming Competitions
- Organized and conducted special workshops for students
- Monitored student performances and provided necessary feedbacks

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.

Organizing 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.

PUBLICATIONS

Journal Paper
Intelligent waste management system using deep learning with IoT

📅 September 2020   📍 Journal of King Saud University

https://doi.org/10.1016/j.jksuci.2020.08.016
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.

SOFT SKILLS

`Structured & Critical Thinking` `Perfectionism`
`Persuasive` `Troubleshooting` `Attentive Listening`

LANGUAGES

Bengali   ●●●●●
English   ●●●●○

PROFILES

LinkedIn
/in/arafat-hasan

StackOverflow   `1.2k+ Rep`
/users/7829174/arafat-hasan

Github   `20+ Projects`
/arafat-hasan

Codeforces   `1434 Max`
/profile/arafat_hasan

uHunt   `350+ Solve`
/id/859424 (arafat_hasan)

LeetCode
/arafat_hasan

Skype
live:arafathasanjenin

Twitter
/Arafat_HJ

Facebook
/arafathasanjenin

REFEREES

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