

Education

Savar, Dhaka	Jahangirnagar University	Jan. 2013 - Jun. 2018
<ul style="list-style-type: none">B.Sc. in Computer Science and Engineering, Jun. 2018. CGPA: 3.70 out of 4.		

Experience

Software Engineer	Crowd Realty, Japan	Nov. 2019 - Present
<ul style="list-style-type: none">Design and development of API using Python, Django and Node.js.Design and development of P2P platform infrastructure.Design and development of business system specialized in financial services.Fintech data analysis using different kinds of statistical or deep learning based algorithms.		
Software Engineer	BJIT, Japan	Nov. 2018 - Oct. 2019
<ul style="list-style-type: none">Carry Park Service (Jun. 2019 - Oct. 2019): Developed bluetooth service for Android to BLE devices connection.AI Chatbot (Apr. 2019 - Oct. 2019): Built a chatbot using Keras library. Sentiment analysis on Japanese text. Responsible for design and development of rest API using Django and Angular 6.Object tracking in video using person re-identification approach using python.		
Software Engineer Intern	AnyConnect IoT	Apr. 2018 - Oct. 2018
<ul style="list-style-type: none">Worked on a project for object detection, face recognition in video using Python, C++, OpenCV and Tensorflow in IoT devices.Worked on an application which downloads MPEG-DASH video into openCV mat format.		
Teaching Assistant	Jahangirnagar University	Sept. 2017 - Mar. 2018
<ul style="list-style-type: none">Trained and supervised students in algorithm and data structure.		

Achievements

Programming Contest Experience

- Placed **1st** out of 41 teams in Jahangirnagar University(Bangladesh) Inter Dept. Programming Contest 2017.
- Placed **3rd** out of 150 teams in National (Bangladesh) Collegiate Programing Contest 2017 (Bangladesh).
- Placed **3rd** out of 117 teams in IUT (Bangladesh) 9th ICT FEST 2017.
- Placed **4th** out of 102 participants in NSU (Bangladesh) Inter University Programming Contest Spring 2017.
- Placed **5th** out of 106 teams in Bangladesh University of Engineering and Technology CSE Day 2016.
- Placed **12th** out of 123 teams in ACM-ICPC Asia Dhaka(Bangladesh) Regional Contest 2016.

Online Problem Solving

- Codeforces** - max rating 2021 (among 1%), Username: mahbubcseju.
- Codechef** - max rating 2309 (among 1%), Username: mahbubcseju.
- Hackerrank** - max rating 2345 (among 1%), 13 gold medal, 11 silver medal, 6 broze medal, Username: mahbubcseju.
- Placed **50th** in **Google Kickstart 2017 - Round F** out of **1722** participants.

Personal Projects. <https://github.com/mahbubcseju/>

- Built a deep learning based model for predicting clinical events using recurrent neural network.
- Plant disease detection for two different datasets (rice, mango) using SVM, Bayesian and deep learning based classifiers (VGG16, Mobilenet, Inception3, Rasnet, Densenet).
- Image classification for about 10 different datasets using deep learning based classifiers (VGG16, Mobilenet, Inception3, Rasnet, Densenet) and transfer learning.
- Text classification using CNN and character level CNN approach.
- Object detection using Tensorflow object detection API.
- Football tracking on real time video using deep learning.
- Image editing tool for stitching two or more images using MATLAB.
- MPEG-DASH video downloader to download MPEG-DASH video into OpenCV mat format using C++, **Python**.
- Side channel attack on elliptic-curve cryptography for BLS curve using C, C++, **Python**.
- Developed a web platform for food delivery service of using **Python**, **Django**, **HTML**, **CSS**, **Javascript**.

Certifications

- Title:** Neural Networks and Deep Learning, **Issuing Organization:** Coursera, **Credential:** 6EWNLF6MAFJW
- Title:** Artificial Intelligence A-Z™: Learn How To Build An AI !, **Issuing Organization:** Udemy, **Credential:** UC-HIFTT79A
- Title:** Deep Learning and NLP A-Z™: How to create a ChatBot !, **Issuing Organization:** Udemy, **Credential:** UC-9UWVFG2S
- Title:** Deep Learning, Transfer Learning and Turtles, **Issuing Organization:** Udemy, **Credential:** UC-SKLLIA0K

- **Title:** Internet Of Things- From Beginner To Making You First Device, **Issuing Organization:** Udemy, **Credential:** UC-GPI5ZE8S

Additional Experience and Awards

- **Researcher (Jul. 2018 - Aug. 2018):** Participated in a short research on elective curve cryptography in **Okayama University, Japan**.
- **Certification (Oct. 2018):** Placed **2nd** in Information Technology Professionals Exam (**ITEE FE October 2018**) from Bangladesh.
- **Campus Ambassador, GeeksforGeeks (Aug. 2018 - Oct. 2018):** Responsible for conducting workshops, seminars in Jahangirnagar University
- **Problem Setter (2017 – 2018):** Bangladesh National Girls Collegiate Programming Contest, Jahangirnagar University Intra University Programming Contest and some other national online contests.
- **Programming Camp (2016):** Placed **3rd** in National (Bangladesh) Programming Camp 2016.
- **Leadership Experience (2017-2018):** Manager of Jahangirnagar University programming club.

Skills

Languages:

- **Proficient:** C/C++, Python, Javascript.
- **Worked with:** Java, Node js, Angular 6, AWS.

Technologies:

- Keras, Tensorflow, Pytorch, MySQL, Django, Android, Node js, Angular 6, Git, AWS.