

Curriculum Vitae

Jaiaid Mobin

Contact Inforamtion

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Skills

- **Programming language :** C, C++, Python, SQL, Java
- **Framework :** Laravel, Codeigniter
- **MicroController :** ATmega avr
- **H/W Development Platform :** Arduino

Work Experience

- Contractual lecturer in Dept. of CSE, BUBT (Bangladesh University of Business and Technology) for semester fall 2017-18.
- Software Engineer, BJIT Ltd. (19 July, 2018-Present)

Github Link

<https://github.com/Jaiaid>

Academic Project Work

- **Bioscope :** A cineplex management web application using Laravel framework, MySQL DBMS is used to handle database. In front end Bootstrap, Html is used. This project was done in Software Development sessional course. A link to project repository is given here [link](#)
- **UnderWater Battle:** This is a simple 2D game for Windows. This project is done in Structural Programming Language course. Link to project repository [here](#).
- **Obstacle Detection and Surface plotter:** This project is done in Microcontroller and Microprocessor course. Using HCSR04 sonar sensor and LCD screen with ST7920 controller the surface under the sonar is plotted in lcd screen. ATmega32A is used as microcontroller in the device. Using sonar, surface below is observed and it's height is plotted against time. [Link](#) to the project video.
- **Sign Language Translator:** This project is done in Digital System Design Course. This Arduino based system can detect hand and finger movement using Flex sensor and detect some sign language and expresses it using speaker. [Link](#) to the project video.

Professional Project Work

- **HTTP/HTTPS Packet Filtering System :** A deep learning based http/https traffic filtering system for windows platform. The system followed server-client model. I worked on client side application to develop local database about website and caching to speed up the filtering.
Used Language & Tool : C++, SQLite DBMS, [WinDivert user mode driver](#)

●**Object Tracking on Railway Crossing** : This project is ongoing. Target is to detect and track object on railway crossing and give appropriate alarm.

Used Language, Algorithms & Tool : C++, Python, OpenCV, OpenVINO, Darknet, YOLOV3, SSD

Education

●**B.Sc. in Computer Science and Engineering** Dept. of Computer Science and Engineering, Bangladesh University of Engineering and Technology (BUET).

Graduation Year - 2017, CGPA - 3.57

●**HSC** Engineering University Higher Secondary School
2012 batch, Obtained GPA - 5.00

●**SSC** Engineering University Higher Secondary School.
2010 batch, Obtained GPA - 5.00

Undergraduate Thesis Topic

Undergraduate thesis was done under supervision of Dr. M. Sohel Rahman. Our thesis topic was about using metaheuristic technique and heuristic to solve transit network design problem.

●**Title** : A heuristic aided Stochastic Beam Search for solving transit network design problem

●**Related Publication** : <https://www.sciencedirect.com/science/article/abs/pii/S2210650218302414>

Training

- Bangladesh-Japan Engineers Training Program(BJET) 2nd batch (March,2018-May,2018)

Certification

- ITEE FE exam March 2018 Full passer (Examinee no FE01-0081)
- ITEE FE exam March 2018 Highest Scorer among ITPEC countries (Examinee no FE01-0081)

Reference

Dr. M. Sohel Rahman

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