

Tanzila Islam

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Experience

- **Research Scholar at Kim Laboratory, Iwate University, Japan** **Sep 2018 – Present**
 - Working on Deep Learning, Artificial Intelligence, Machine Learning, Image Recognition
 - Language: Python (Keras/ Tensorflow)
- **Lecturer, Department of IT, BAC International, Bangladesh** **July 2017 – Sep 2018**
 - Courses taught: Data Structures and Algorithms, Web Applications Development, Database Design Concepts, Emerging Technologies, Programming Language C/C++
- **Software Engineer, Edu-Smart, Bangladesh** **May 2016 - July 2017**
 - Implemented **REST APIs** for Android Application Development
 - Implemented web application using **PHP/Laravel/ CodeIgnitor/ MySQL**

Projects

- **Edusmart.info**: First ever Education Management System in Bangladesh, used by top schools, colleges and universities. Developed using **PHP, MySQL**.
- **JU - Course Advising System**: Course Advising System for Jahangirnagar University of Bangladesh for advising courses of all MBA students. Developed using **PHP, MySQL**.
- **DU - Admission System**: Online Admission System for Dhaka University of Bangladesh for automating the admission system. Developed using **PHP, MySQL**.
- **JU Bus Tracker**: Online bus tracking system for JU focusing JU students, teachers in Bangladesh. Developed using **Android, PHP, MySQL**.
- **Line Follower Robot**: A robot that can follow a path in a black line on a white surface. Developed using **C, Pic Microcontroller**.

Skills

- Deep Learning, Machine Learning, AI, Algorithms, Problem Solving, Image Recognition
- **Language**: C++, Java, Python 3 (Tensorflow/ Keras), **Version Control**: Github
- Teaching different courses and supervision of final year dissertation
- Mobile and Web Application Development: Android, PHP (Laravel), MySQL, SQLite

Education

- **PhD Research Student in Electrical Engineering and Computer Science** **2018 - Present**
Iwate University, Japan
- **Masters in Computer Science** **2016 – 2017**
Jahangirnagar University, Dhaka-Bangladesh
- **Bachelor in Computer Science and Engineering** **2012 – 2016**
Southeast University, Dhaka-Bangladesh

Publications

- **Detecting Human Mood from Physiological Signal and Data, 2018**
- **An Analysis of Foraging and Echolocation Behavior of Swarm Intelligence Algorithms in Optimization: ACO, BCO and BA, 2018**
- **University Timetable Generator Using Tabu Search, 2016**

Languages

- Bangla (Native), English (Fluent), Japanese (Conversational)