

# Tanzila Islam

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## Experience

- **Lecturer, School of IT, BAC International, Bangladesh** **Jul 2017 – Sep 2018**
  - Courses taught: Emerging Technologies, Database Design Concepts, Information Systems in Organisation, Web Applications Development, Data Structures and Algorithms
- **Lecturer, Department of CSE, Southeast University, Bangladesh** **Sep 2016 – Sep 2018**
  - Courses taught: Algorithms, Data Structures, Microprocessor and Assembly Language, Web and Internet Programming, Computer Architecture
- **Software Engineer, Edu-Smart, Bangladesh** **May 2017 - Jul 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**.
- **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

- Big Data, Deep Learning, Machine Learning, AI , Algorithms, Data Structures, Problem Solving.
- Competitive Programming: C, C++, Java
- Teaching different courses and supervision of final year dissertation
- Mobile and Web Application Development: Android (Java), PHP (Laravel), MySQL, SQLite

## Education

- **PhD Student in Electrical Engineering and Computer Science** **2018 - Present**  
Iwate University
- **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).