

Md. Minul Alam

Software Engineer



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OBJECTIVE

To be a part of an organization that provides a learning and challenging environment with an atmosphere of mutual growth and benefits, where I can utilize my skills and contribute towards personal as well as organizational goals.

EDUCATION

EAST WEST UNIVERSITY

2011 - 2015

- *B.Sc. in Electrical and Electronic Engineering*

CGPA: 3.04

RANGPUR GOVT. COLLEGE

2007 - 2009

- *Higher Secondary School Certificate*

GPA: 4.50

RANGPUR ZILLA SCHOOL

2005 - 2007

- *Secondary School Certificate*

GPA: 5.00

WORK EXPERIENCE

LEADS Corporation Limited

JULY 2019 - Continuing

- *Software Engineer, IoT*

Playing an active role in all aspects of the development process of a new application including identification of user needs into business requirements, PoC, prototyping, MVP, pilot roll-out with iterative end user validation and commercial deployment. Contributing across the border team on initiatives to integrate various component with IoT platform.

eGeneration Limited

JAN 2019 - JULY 2019

- *Data Science Enthusiast*

Six months of overall experience with strong emphasis on Design, Development, Implementation, Testing and Deployment of Software Applications in Hadoop, HDFS, MapReduce, Hadoop Ecosystem, ETL and RDBMS, extensive development experience using Python, Java, Nodejs, Scala.

DataSoft Systems Bangladesh Limited

SEP 2017 - FEB 2018

- *IoT Trainee Engineer*

Hardware and software developer with six months of experience on IoT end to end solution at DataSoft Systems Bangladesh Limited. Hand on experience with Android application development. Solid knowledge of microcontroller, big data and cloud technology. Strong experience with implementing web services and applications using RESTful API, Mqtt broker, NoSQL database such as MongoDB, data analytics using python.

PROJECTS

Auto Fire Detection and Fighting Robot with Manual Operation

- *Our main objective was to design a wirelessly controlled fire detection and fighting robot using microcontroller which will be able to detect and fight any fire nearby automatically to reduce losses and save lives. We also designed this robot in such a way that it can be operated from an Android device also.*

Smart Sewerage Monitoring System

<https://www.youtube.com/watch?v=2I0GsFTqInA>
[Using Microcontroller(PIC16f690), Flame Sensor(LM393, IR), Ultrasonic Sensor (HC-SR04), Motor Driver IC(L293D), Bluetooth Module (HC-05)]

- This project is for predicting blockage among the sewage septic tank for taking action before things getting worse. People actually die during the cleaning process by toxic gas. So for the safety purpose, there is also a portable device which can identify the toxic level.

<https://www.youtube.com/watch?v=w94t-giz-sA>
[Using ESP12E, FSR(Force Sensitive Resistor), Servo Motor, Ultrasonic Sensor(HC-SR04), Gas Sensor MQ135]

Home Automation

- Using ESP12E, Mqtt, Android, Atmega32

OTHER SKILLS

Detail oriented, dedicated and dependable team player who has strong analytical, organizational, problem solving, communication & project management skills, with ability to manage multiple tasks and work in a fast paced and aggressive schedule.

EXTRACURRICULAR ACTIVITY

- Former active member of - EWU Electronics Club
- EWU Science Club
- EWU Club for Performing Arts
- Rotaract Club of East west university
- EWU Sports Club

PERSONAL DETAILS

- Father : Md. Nur Alam
- Mother : Most. Khurshida Alam
- Date of Birth : 2nd January 1991
- Nationality : Bangladeshi
- Blood Group : O+

TECHNICAL SKILLS

- **Programming and web development:** Embedded C, Python, Java, HTML5, CSS3, JavaScript, RESTful API, Bootstrap, JQuery, WordPress, Node-RED, Azure IoT suite, Watson IoT, MySQL, MongoDB.
- **Microcontroller and Embedded system:** MPLAB, Proteus, MikroC, WinAVR, Atmel Studio, PCB Design, Arduino, Analog circuit, Atmel AVR, Microchip PIC, STM32, BLE, ESP8266EX, ESP8285, Mqtt.
- **Data Science and Big Data Tools:** Machine Learning (Logistic regression, KNN, Kmeans, LSTM), Deep learning, Data Visualization, ETL, Hadoop Ecosystem (Kafka, Spark, Storm, Flume, Zookeeper, HBase, Hive).
- **Engineering Tools:** SILVACO (Electronic Device Simulator), MATLAB, PSpice, Emulator 8086, CEDAR Logic, Cisco Packet Tracer, Visio.
- **Visualization Tools:** Tableau, Power BI, TIBCO Spotfire, Kivana.

REFERENCE

Dr. Mohammad Mojammel Al
Hakim
Associate Professor,
Department of EEE
East West University
E-mail: dmmah@ewubd.edu

SKILLS

Team Work
Management
Hardworking
Microcontroller
Sensors
Circuit



I affirm that the information compiled above is precise and accurate and the certificate can be provided any time if required.

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