Md Moinul Hossain

Address
637 Manikdi, Dhaka Cantonment, Dhaka-1206

Mobile
+8801553544385

Email
mdmoinulh13@gmail.com

Facebook
/mdmoinul.hossain.39

Linkedin
/in/md-moinul-hossain-96758a135/

GitHub
/aang13

Programming Languages
C, C++, C, Java, Assembly,Python, javascript

Database
Oracle, MySQL,PostgreSQL, SQLite, SQL Server

Environment
Eclipse, Netbeans Microsoft Visual Studio Unity, Ubuntu, Docker

Framework
Android Studio Django Angular Spring Boot

Education

2015–2019	**B.Sc** in CSE	Bangladesh University of Engineering and Technology
2012–2014	**HSC** in Science **(GPA 5.00)**	Adamjee Cantonment College , Dhaka
2012	**SSC** in Science **(GPA 5.00)**	BAF Shaheen College Kurmitola , Dhaka

Work Experience

2019-present Full Stack Developer EmergingITBangladesh Ltd

- Develop software system testing and validation procedures, programming, and documentation.
- Analyze user needs and software requirements to determine the feasibility of design within time and cost constraints.
- Design, develop and modify software systems, using scientific analysis and mathematical models to predict and measure outcome and consequences of design.
- Store, retrieve, and manipulate data for analysis of system capabilities and requirements. Consult with customers about software system design and maintenance Determine system performance standards.

Sept19-Dec19 Fujitsu Research Institute,Japan Data Science, Machine Learning, AI, IoT, Blockchain
A three month long training program mainly focused on Data science.

- Perform descriptive and multivariate statistical analyses of data, using computer software.
- Prepare tables, graphs, fact sheets, and written reports summarizing research results.
- Present research findings to groups of people.
- Selecting features, building and optimizing classifiers using machine learning techniques.
- Processing, cleansing, and verifying the integrity of data used for analysis.

Projects

June-2019 Online Education System Java Spring boot, Angular, PostgreSQL, Docker,OAuth2
The online system enables user to learn and practice different subjects and keep tracks of the performance based on the exercises. Both individual and Institutes can be the user.This is similar to Khan Academy and IXL.

April-2019 Admission System for an Educational Institute Java Spring boot, Angular, PostgreSQL, Docker
In the developed system user creates account to fill the admission form. JWT authentication was used to validate the user. Liquibase was used to allow dynamic database changes. The application was run on Docker.

Jun-2018 Digital System Design Arduino
Smart Home sweeper. An automated robot that sweeps, cleans the floor. For performance improvement this robot can be operated manually also
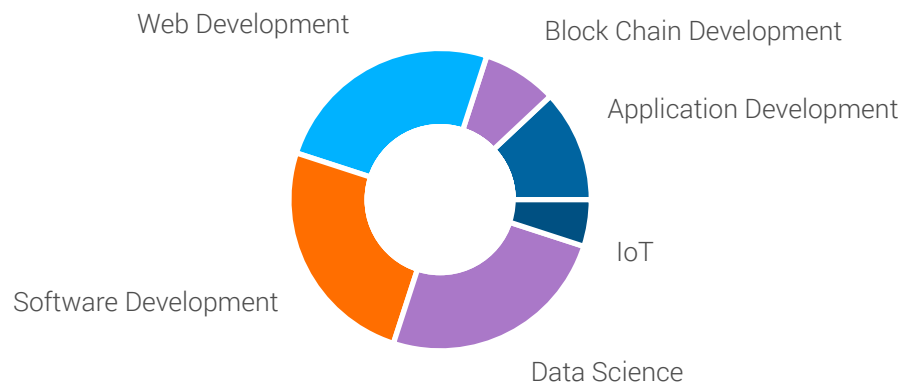
Apr-2018 Thesis Graph Theory,Machine Learning
Clustering based solution for Facility Dispersion Problem

| Nov-2017 | **Software Development** | Android |
| | An app to find the nearest restaurants, cafes based on rating, price. An app for police department to detect criminals across the country | |

| Nov-2017 | **Micro Controller** | ATmega 32 and C |
| | Smart stick for blind people. | |

| Apr-2017 | **Database** | SQL Server,NHibernate |
| | Comparing performance between relational database and NoSQL for Facebook data | |

| Oct-2016 | **JavaFx** | JavaFx |
| | Two player 8 Ball pool game | |

Interests

Web Development   Block Chain Development

Application Development

IoT

Software Development

Data Science

Awards/Certification

12 IT Hi-Tech park training on Data Science, ML, AI ,Cyber Security, IoT, Blockchain
 2019

Hackathon on BlockChain and Web Security
 Champion(2019)

Battle of Hardware (IoT)
 1st Runner-up(2018)