



## IMTIAZ MAMUN



### BSc in CSE

United International University

CGPA: 2.60



### Higher Secondary Certificate

Government Bangla College

GPA: 4.20

### Secondary School Certificate

Rajshahi Govt. Model School and College

GPA: 5.00

## REFERENCES

### SWAKKHAR SHATABDA, Ph.D.

United International University, Professor

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### MD. FARIDUL ALAM

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## CONTACT INFORMATION

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## ABOUT ME

On top of everything, I am an enthusiast, a learner and a researcher by personality. Experienced in Digital Product Management, Solution Design, Rapid Prototyping, System Architecture and Business Analysis using Micro-services. I have much experience of creating logical and innovative solutions for complex problems.

I am also experienced and enthusiastic in Data Science with a solid background in Mathematics, Artificial Intelligence and Model Development. Vastly interested in working through Big Data with recommended artificial intelligence to utilize my research experience and attain to the optimal foreground in data science. I enjoy solving problems using advanced statistical techniques, deep learning mechanisms and massive programming skills with proper documentation.

## WORK EXPERIENCE

### Officer (Software Engineer)

Beximco Pharmaceuticals Ltd.



June 2018 – Present

#### Accomplishment:

- In-house and promotional application development.
- Solution design, implementation, demonstration and automation with advisable software development life-cycle.
- Prepare detailed charts and diagrams that describe inputs, outputs, and logical operations.
- Collaborate with UX/UI design and manage suitable software architecture according to the requirements.
- Implement ways to improve the data processing, mining and reliability with rigid efficiency, quality and production and visualization for conceptualizing the data model.

## SKILLS

- **Programming Languages:** Python, Java, C & C++, JavaScript, Unix & Shell Scripting, PHP, Android, Kotlin
- **Web Applications:** Bootstrap, Django, JSP, Spring MVC, React Native, NodeJS, Meteor, jQuery, Ajax
- **Mobile Applications:** Android Native Programming, Google API, Augmented Reality, XML, Android Studio, Unity
- **Desktop Applications:** Java, Tkinter (Python)
- **Database Management:** Firebase, MySQL, MongoDB, SQLite, PostgreSQL, Hibernate, Oracle
- **Prominent Skills:** Natural language processing, TensorFlow, Arduino Programming Language, Linux Operating System, Artificial Neural Network, Pattern Recognition, NumPy, Pandas, Scikit-learn, OpenGL, IoT
- **Industrial Skills:** SDLC phases, Use Case and UML Diagram, SWOT Analysis, Agile Dev, CI/CD pipeline, Git-repository, Analytical, Statistical, Flexible & Quick Learner

## THESIS AND PROJECTS

### ➤ RESEARCH PUBLICATIONS:

- **Publisher Organization:** IEEE - the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.
- **Title:** Event Detection and Knowledge Mining from Unlabeled Bengali News Article
- **Conference Paper:** <https://ieeexplore.ieee.org/document/9350891>

### ➤ PERSONAL PROJECT: AUTO SMART CITY

- **Intelligence Properties:** Ant Colony Algorithm, Tf-Idf Scoring, Priority Scheduling Algorithm and Reinforcement Learning Algorithm
- **Implementations:** Android, Java, JSP, Firebase, MySQL
- **Description:** Reduces traffic by a forecasting time and route for a particular distance based on the real time movement of the transports. Users get an alert if their daily route holds a very high traffic rather than the other routes. A suitable route is distributed for each individuals by the priority scheduler where the priority scale is assigned with the journey starting time and the distance of the destination.
- **Demonstration (Screenshot and Video):** <https://antu-mamun.github.io/#project>

### ➤ GROUP PROJECT: YIELD BOOSTER

- **Properties:** K-Means Clustering and K-Nearest Neighbors Classifier
- **Implementations:** Java, JSP, MySQL
- **Features:**
  1. Classifying crops for production based on the soil's minerals, texture, pH values, carbon, fertility, climate and geographical environment.
  2. Clustering crops based on the seasons, production cost per acre and maximum harvesting per year.

### ➤ B.Sc. THESIS

- **Title:** Event Detection and Violence Recognition from Textual News through Multilayer Perceptron and Supervised Learning
- **Documents:** <http://dspace.uiu.ac.bd/handle/52243/603>

## PERSONAL INFORMATIONS & INTERESTS

**Nationality:** Bangladeshi

**Matrimonial Status:** Married

**Hometown:** Rajshashi

**Blood Group:** B+

**Interests:** Traveling, Pool, Chess, Badminton, Table Tennis, Football, Volleyball, Cricket, Guitar, Video Games, Sketching, Acting, History, Technology, International Politics, Photography

## ACHIEVEMENTS & LANGUAGES

### ACHIVEMENTS

**Android Developer**— by Google Developer Groups

**Actor & Director**— by Children Film Society

### LANGUAGES

**Bangla**— Native Language

**English**— Reading, Writing and Speaking

**Hindi and Urdu**— Listening and Speaking