



## IMTIAZ MAMUN



**BSc in CSE**  
**United International University**  
CGPA: 2.60 out of 4.00



**Higher Secondary Certificate**  
**Government Bangla College**  
GPA: 4.20 out of 5.00

**Secondary School Certificate**  
**Rajshahi Govt. Model School and College**  
GPA: 5.00 out of 5.00

## REFERENCES

**MOHAMMAD NURUL HUDA, Ph.D.**  
Professor & Director - MSCSE  
United International University  
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## CONTACT INFORMATION

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Website: antu-mamun.github.io

## 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

- **Executive, IT Division**
- *UCB Fintech Company Limited*



### Accomplishment:

**October 2022 – Continue**

- Full Stack Development and Automation
- Optimization of the infrastructure and technology stack
- Solution design, demonstration, automation and quality assurance.
- Develop new and manage existing data required to make strategic business decisions.
- Prepare detailed charts and diagrams that describe inputs, outputs, and logical operations.

- **Officer (Full Stack Developer)**
- *Beximco Pharmaceuticals Ltd.*



**June 2018 – October 2022**

### 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.

## ACHIEVEMENTS

**Android Developer**— by Google Developer Groups

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

## SKILLS

- **Programming Languages:** Python, Java, Android, C & C++, JavaScript, Unix & Shell Scripting, PHP
- **Web Applications:** NodeJS, Meteor, Django, JSP, Spring MVC, React Native, Bootstrap, jQuery, Ajax
- **Mobile Applications:** Android Native Programming, Google API, Augmented Reality, XML, Android Studio, Unity
- **Desktop Applications:** Java and Python (Tkinter)
- **Database Management:** Firebase, MongoDB, DynamoDB, PostgreSQL, SQLite, MySQL, 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 Dent, CI/CD pipeline, Git-repository, Analytical, Statistical, Flexible & Quick Learner

## ACADEMIC THESIS AND PROJECT

### ➤ RESEARCH PUBLICATIONS:

- **Organization:** IEEE
- **Title:** Event Detection and Knowledge Mining from Unlabeled Bengali News Article
- **Paper:** <https://ieeexplore.ieee.org/document/9350891>

### ➤ AUTO SMART CITY

- **Intelligence Properties:** Ant Colony Algorithm, Tf-Idf Scoring, Priority Scheduling Algorithm and Reinforcement Learning Algorithm
- **Objective:** Reducing traffic using distributed routing and increasing the average movement speed in a city using gps sensor attached with the vehicle registration number plate.
- **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>

### ➤ 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
- **Paper:** <http://dspace.uiu.ac.bd/handle/52243/603>

## CORPORATE PROJECTS

### ➤ DIGITAL PRESCRIPTION

- **Implementations:** Python, Tkinter, SQLite
- **Platform:** Desktop Application
- **Features:**
  1. Write and print prescription for patients.
  2. Get suggestions for medicine, doses, symptoms, surgery plan etc.
  3. View patient history and track improvement record.

### ➤ COVID-19 VACCINATION & APPOINTMENT

- **Implementations:** Meteor, MongoDB
- **Platform:** Web Application
- **Features:**
  1. Get appointment date and information from the users.
  2. Schedule appointment accordingly to the total booth number and 10 person per vial.
  3. Send alert to the user with the scheduled time and booth number.
  4. If not present in scheduled time then reschedule and send alert.
  5. Inventory management system for administration.
  6. Requisition management system for booth administration.
  7. Batch no. tracking and priority scaling.

### ➤ ONCOLOGY DRUG HOUSE

- **Implementations:** Meteor, MongoDB
- **Platform:** Web Application
- **Features:**
  1. Collects patient requisition
  2. Assigns a person from sales team by admin
  3. Supply medicine by assigned person and tracks timeline and cycles per patient
  4. Sends alert to the sales person about the next cycle date of their assigned patients
  5. Keeps tracking improvement records

### ➤ SERVICE OPERATIONS AND REPORTING

- **Implementations:** PHP 7, jQuery, Ajax, PostgreSQL
- **Platform:** Web Application
- **Features:**
  1. Live Dashboard with Bar Chart, Pie Chart and Customer Status.
  2. Customized bulk reporting using micro-services with dynamic access level.
  3. Customized bulk status update for Merchant, Agent and Customer's transaction status and report generate.

## PERSONAL INFORMATIONS

**Father's Name:** Md. Shariful Alam

**Mother's Name:** Most. Masuda Parvin

**Nationality:** Bangladeshi

**Matrimonial Status:** Married

**Hometown:** Puthia, Rajshashi

**Present Address:** Adabar, Dhaka-1207

**Blood Group:** B+

## LANGUAGES & INTERESTS

### LANGUAGES

**Bangla**— Native Language

**English**— Reading, Writing and Speaking

**Hindi and Urdu**— Listening and Speaking

### INTEREST

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