




# Jannatul Ferdaus

Prospective MS/PhD Student

 <https://syedajannat117.github.io/>

 syeda.jannat243@gmail.com  +1 618-434-2631  Illinois, United States

## Academic Credentials

### BS in Computer Science & Engineering

Bachelor's degree program

Major: Computer Science & Engineering

Final CGPA: 3.69 out of 4

University of Asia Pacific (UAP)

Sep. 2017 – Nov. 2021

## Technical Skills

**Languages** : C, C++, Java, Python

**Frameworks** : HTML5, CSS3, Bootstrap5, JavaScript

**Database** : RDBMS (MySQL)

**Others** : VS Code, Code blocks, PyCharm, Inkscape, MS Word, MS Excel, MS PowerPoint

## Professional Experience

### Global Islami Bank PLC.

Assistant Officer, IT Division

Apr, 2022 - Dec, 2023

Dhaka, Bangladesh

- Worked with the ADC Services team at the Corporate Head Office
- Monitored and managed the Database Management System
- Conducted data verification and analysis using SQL queries
- Performed Software Quality Assurance for the GIB Mobile App
- Prepared technical and manual documentation
- Created payment notes and generated billing system reports
- Collaborated with vendors on various projects

## Programming Skill

### Online and Onsite Programming Contests

Programmer

2017 – 2022

Bangladesh

- Solved over 100 problems on various online coding platforms like LeetCode and UVA
- Skilled in analyzing program time and memory complexity
- Proficient in Data Structures and Algorithms, including Binary Search, Graph Theory, Dynamic Programming, and Number Theory

## Awards & Achievements

### 4th Position in GIBL 32 Batch

: Foundation Training in Global Islami Bank Ltd.

### Dean Awards

: For Obtaining 3.75+ GPA in two semesters out of eight.

### Vice Chancellor Award

: For Obtaining 3.93 GPA in last(eight) semester

### Runner-up

: Intra Department Math Olympiad Champion Certificate

### Conference Papers

Areas: Social Networks, NLP, Federated Learning, Machine Learning, Differential Privacy, Mobile Crowdsourcing

- “Generative AI like ChatGPT in Blockchain Federated Learning: use cases, opportunities and future”(Preprint-ArXiv)
- “FedRobo: Federated Learning Driven Autonomous Inter Robots Communication For Optimal Chemical Sprays”(Preprint-ArXiv)
- “The Survey of Recommendation System: Past, Present and Future”(Preprint-ArXiv)
- “The Problems, Concerns and Potentials of Vulnerabilities with Large Language Models like ChatGPT”(Preprint-ArXiv)
- “Next-Generation LLM Communications for Resource-Constrained Federated Learning”(Preprint-ArXiv)

### Undergrad Major Project

---

#### IoT based Intelligent Dustbin Monitoring System

IoT | Arduino Uno | Ultrasonic Sensor | GSM Module | Servo Motor

- It's an innovative idea that transforms a regular bin into an intelligent one by using ultrasonic sensors to detect garbage levels. The system sends updates to the garbage collector about the bin's status using a GSM module.

#### Online Exam-Room

Android | Java | Firebase

- An Android-based online exam platform featuring a developed monitoring system and easy access, designed for administering exams in online distance learning programs. It includes functionalities for generating random questions, monitoring, time notifications, capturing photos/PDFs, and maintaining a real upload history.

### References

---

#### M A Akbar

Joint Secretary (Rtd)

Director of Orchard Group

Government of the People's Republic of Bangladesh

Cantonment, Kafrul, Dhaka-1205.

#### Dr. Alope Kumar Saha

Professor

University of Asia Pacific

+880 1711465641