




Jannatul Ferdaus

Prospective MS/PhD Student

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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, PHP
Frameworks	: HTML5, CSS3, Bootstrap5, JavaScript
Database	: RDBMS (MySQL), NoSQL (MongoDB)
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

Research Experience

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)
- “Benefits of Mindfulness-Based Interventions on People with Emotional and Intellectual Disabilities”(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. Aloke Kumar Saha

Professor

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