FOKIR MOSTAKIM BILLA SOBUJ

Dhaka, Bangladesh
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EDUCATION

United International University (UIU) **2024 – Present**
B.Sc. in Computer Science and Engineering *Dhaka, Bangladesh*

- **CGPA: 3.92 / 4.00**
- Relevant Coursework: Data Structures & Algorithms, Machine Learning, Advanced Database Design.

Govt. P.C. College **Graduated: 2022**
Higher Secondary Certificate (HSC) *Bagerhat, Bangladesh*

- GPA: 5.00 / 5.00

SELECTED ACADEMIC & TECHNICAL PROJECTS

Distributed Task Queue & Background Job Processor **2026**
Go, Redis, Docker, Prometheus, Lua, Concurrency *High-Throughput Processing Engine*

- Architected a high-throughput asynchronous task engine capable of handling intensive background jobs and distributed processing.
- Leveraged Go's concurrency model, Redis, and Lua scripting for efficient queue management.
- Integrated Docker for containerized deployment and Prometheus for robust system monitoring and metrics collection.

Agri Rover **2026**
C++, IoT, YOLOv8, Computer Vision, Embedded Systems *Autonomous Smart Agriculture*

- Developed an autonomous cable-suspended smart agriculture rover integrating complex embedded systems and IoT hardware architecture.
- Applied YOLOv8 computer vision models via C++ for real-time agricultural monitoring, crop analysis, and automated navigation.

Global Trade & Logistics Management System **2025**
MySQL, Database Architecture, SQL Indexing, Backend *Enterprise Database Architecture*

- Designed an enterprise-grade database architecture tailored specifically for export-import logistics and global trade operations.
- Focused on advanced MySQL database structuring and SQL indexing to ensure high-speed backend data retrieval and relational reliability.

Student Ride-Sharing Web Platform **2026**

Next.js, Node.js, MongoDB, Tailwind CSS, Authentication *Campus Commuter Matching*

- Developed a comprehensive commuter matching platform facilitating seamless and secure ride-sharing among university students.
- Implemented robust user authentication and efficient data handling mechanisms using a modern Node.js and MongoDB backend stack.

Campus Eats **2026**

Next.js, React, Tailwind CSS, Vercel, Full-Stack *Campus Food Ordering*

- Engineered a full-stack campus food and cafeteria ordering platform to streamline university dining operations.
- Utilized Next.js and React for dynamic, responsive client interfaces, deploying via Vercel for optimal edge performance.

TECHNICAL COMPETENCIES

Programming Languages:	C++, Python, Java, JavaScript, TypeScript, C, SQL, Go
Web Technologies:	Next.js (App Router), React.js, Node.js, Express.js, Tailwind CSS, HTML5, CSS3
Databases:	MongoDB, MySQL, Redis, Relational Database Design, Query Optimization
Tools & Paradigms:	Git/GitHub, Docker, Prometheus, Linux/Bash, Data Structures, Algorithms, Machine Learning, Computer Vision