

S M Jishanul Islam

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EDUCATION

- **United International University** Dhaka, Bangladesh
Bachelor of Science in Computer Science and Engineering; GPA: 3.77 (Major CGPA: 4.00) Feb. 2020 – Jun. 2024

EXPERIENCE

- **Apurba Technologies Ltd.** Dhaka, Bangladesh
Software Engineer Dec. 2024 - Present
 - Designed and developed scalable RESTful APIs using FastAPI and Node.js while containerizing them in Docker and deploying them to AWS.
 - Optimized query performance, reducing retrieval and data creation times by 5% by implementing indexing strategies.
 - Leading the migration of monolith applications to a service-oriented architecture or microservices architecture, improving system modularity and deployment efficiency.
 - Authored unit and integration tests using PyTest. Used Locust for load and stress tests.
 - Collaborating with multiple companies and government agencies to implement, research, and complete project deliverables.
 - **Tech stack:** FastAPI, Node.js, PostgreSQL, Docker, AWS, Hyperledger Fabric

ACHIEVEMENTS

- **Gold Medalist:** of the International Blockchain Olympiad 2023 held in Amsterdam, the Netherlands.
- **Global Representative:** for the Hult Prize Boston Summit 2024.
- **Silver Medalist:** of the Bangladesh Blockchain Olympiad 2023.
- **Champion:** of the Bhashamul national NLP datathon challenge.
- **1st Runners Up:** Intra-UIU Deep Learning Sprint.
- **Champion:** of the Hult Prize On-Campus Round at United International University.
- **3x Champion:** of the United International University CSE Project Showcase in the categories: Advanced Object-Oriented Programming Lab, DBMS Lab, Software Engineering Lab.
- **Participant:** 2024 Hacktoberfest Level 2 (2/4 PRs accepted).

PROJECTS

- **IPBlockchainPro (GitHub Repo):** A web3 d-application that provides decentralized IP storage and marketplace. Led the app's backend, blockchain, and frontend development as a full-stack engineer.
Tech Stack: React, Spring Boot, Flask, MySQL, Go.
- **NurtureAid (GitHub Repo):** A cross-platform mobile application that provides remote caregiving to the dependent population. Led the app's backend and frontend development as a full-stack engineer.
Tech Stack: React Native, Node.js, MongoDB, Firebase.
- **Quest Aid (GitHub Repo):** An AI-driven web app to connect students, clubs, universities, and organizations under the same platform to grow the ECA landscape of Bangladesh. Led the app's backend, frontend, and AI development.
Tech Stack: React.js, Spring Boot, Flask, MySQL, Langchain.

PROGRAMMING SKILLS

- **Languages:** C/C++, Java, SQL, Python, Javascript, Dart, PHP
- **Technologies:** React/React Native, Flutter, Node.js, Spring Boot, MongoDB, Flask, Firebase
- **Web3 Tools:** Solidity, Hyperledger Fabric, Fabric CA, IPFS
- **DevOps and Version Control:** Git, GitHub, Docker

REFERENCES

- **Dr. Mohammad Shahriar Rahman:** Professor, Dept of Computer Science and Engineering & Director of the Center for IT Services (CITS), United International University. **email:** mshahriar@cse.uiu.ac.bd
- **Dr. Swakkhar Shatabda:** Professor, Dept of Computer Science and Engineering, BRAC University. **email:** swakkhar.shatabda@bracu.ac.bd