

# S M Jishanul Islam

Website: <https://s-m-j-i.github.io/Personal-CV/>

GitHub: <https://github.com/S-M-J-I>

LinkedIn: <https://www.linkedin.com/in/s-m-jishanul-islam-709b0b1a7/>

Email : [jishanlion@gmail.com](mailto:jishanlion@gmail.com)

Mobile : +880 1759338652

## 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.
- **1<sup>st</sup> 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.
- **1st Runners-Up:** of the UIU Intra-University Deep Learning Sprint.

## PROJECTS

---

- **Quest Aid (GitHub Repo):** Developed an AI-driven web application 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 services development as a full-stack engineer.  
**Tech Stack:** React.js, Spring Boot, Flask, MySQL, Langchain.
- **BhaShammo (GitHub Repo — Research Codebase):** Released a family of fine-tuned models tackling the never-before-solved problem of transcribing regional Bengali text into international phonetic alphabets (IPAs).  
**Tech Stack:** Python, PyTorch, Hugging Face.
- **Multimodal-SER (GitHub Repo - Research Codebase):** Researched and developed a parallel network that accepts audio and video data to predict human emotions breaking state-of-the-art performances.  
**Tech Stack:** Python, PyTorch.

## PROGRAMMING SKILLS

---

- **Languages:** : C/C++, Java, SQL, Python, Javascript, Dart, PHP
- **Technologies:** : React/React Native, Flutter, Node.js, Spring Boot, MongoDB, Flask, Firebase
- **Machine/Deep Learning:** PyTorch, Tensorflow, Scikit-Learn, HuggingFace, Numpy, Pandas, NLTK

## REFERENCES

---

- **Dr. Swakkhar Shatabda:** Professor, Dept of Computer Science and Engineering, Brac University.  
email: [swakkhar.shatabda@bracu.ac.bd](mailto:swakkhar.shatabda@bracu.ac.bd)
- **Dr. Suman Ahmmed:** Associate Professor, Dept of Computer Science and Engineering, United International University. email: [suman@cse.uiu.ac.bd](mailto:suman@cse.uiu.ac.bd)