



JUBORAJ AHMED

COMPUTER SCIENCE

UNDERGRADUATE

CONTACT

- +880 1934035360
- juborajahmed0213@gmail.com
- 80/11, Saydabad, Dhaka-1100, Bangladesh
- <https://monkey-d-siyam.github.io/JuborajAhmed/>

EDUCATION

2022 - 2026

BRAC UNIVERSITY

- BSc in Computer Science
- Final Year Thesis: JASAL: A Remote Patient Health Monitoring System

2018 - 2020

IDEAL COLLEGE

- HSC

SKILLS

- Programming: Python, JavaScript
- Frameworks: Django, Flask, Pytorch
- Concepts: OOP, DSA, REST API, Machine learning, Neural Networks, Federated Learning, AI, NLP
- Tools: Git, Linux, Google Colab

PROFILE

Computer Science undergraduate specializing in Machine Learning and backend development. Experienced in building full-stack applications and privacy-preserving AI systems through academic and personal projects. Interested in solving real-world problems using scalable and efficient software solutions.

PROJECTS & RESEARCH EXPERIENCE

JASAL: A Remote Patient Health Monitoring System

Final Year Thesis

- Implemented privacy-preserving federated learning for wearable health data
- Designed anomaly detection for arrhythmia & diabetes risk prediction
- Reduced data sharing between hospitals while maintaining model accuracy
- Addressed communication overhead and data silo challenges

MediConnect

Full Stack Project

- System design
- Multi-role architecture
- Real-time communication
- Database complexity
- AI integration
- Backend logic

RESEARCH INTERESTS

- Federated Learning
- Privacy-Preserving AI
- Natural Language Processing
- Healthcare AI Systems