



JUBORAJ AHMED

COMPUTER SCIENCE UNDERGRADUATE

CONTACT

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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