

Mirza Naeem Beg

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Website ↗ • GitHub ↗ • LinkedIn ↗

SUMMARY

Fresh CSE graduate from AUST with research experience in computer vision, NLP, and deep learning, focused on AI for healthcare and low-resource Bangla language processing. Comfortable working with Python, PyTorch, and data tools like Pandas, NumPy, and SQL, and I keep building on that through self-directed coursework alongside my academic research. Looking for an AI Engineering internship where I can put this foundation to work and grow toward a career as an AI Engineer.

EDUCATION

Ahsanullah University of Science and Technology (AUST)

Dhaka, Bangladesh

B. Sc. in Computer Science and Engineering

July 2026

CGPA: 3.13 / 4.00

Coursework: Structured Programming, OOP, Data Structures, Algorithms, Database, Intro. to AI, Pattern Recognition & Machine Learning, Soft Computing, Digital Image Processing, Mathematics I-IV, Software Development I-IV

Mymensingh Government College

Mymensingh Board

Higher Secondary Certificate (HSC) | GPA: 5.0 / 5.0 | Science

2020

TECHNICAL SKILLS

- **Languages:** Python (Pandas, NumPy, Matplotlib, PyTorch), C/C++, Java
- **AI/ML:** CNNs, RNNs/BiLSTM, Computer Vision, Transformers, NLP, LLM
- **SQL:** MySQL, PostgreSQL, Microsoft SQL Server
- **Web Dev:** HTML, CSS, Bootstrap, TailwindCSS, ReactJS, JavaScript
- **Dashboards:** Power BI, Microsoft Excel, Google Sheets, Retool
- **Tools:** Git and GitHub, Jupyter Notebook, Google Colab, Kaggle, VS Code, MATLAB
- **Interests:** End-to-end AI development (dataset preparation, model development & deployment), and real-world application

UNDERGRADUATE THESIS

BanglaGuard: A Multimodal Deep Learning Framework for Audio-Visual Detection of Inappropriate Content in Bangla Children's Cartoon Videos

Defended June 2026

Poster Presented June 2026

Supervisor: Prof. Dr. Md. Shahriar Mahbub

- Achieves **87.02% accuracy** on a purpose-built 871-clip dataset.

ACADEMIC PROJECTS

Digital Preservation of Culinary Heritage: A System for Classifying

Feb 2025 – Jul 2025

Bangladeshi Desserts and Generating Traditional Recipes | *Soft Computing Lab Term Assignment*

- Built a multimodal deep learning system using EfficientNet-B0 and GPT-2 on a curated dataset of 4,118 images and 81 traditional recipes to digitally preserve Bangladeshi culinary heritage.

BechaKena.com – Full-Stack E-Commerce & Auction Platform | *Software Dev IV* | Demo Aug 2024 – Nov 2024

- Developed a PHP/MySQL web application with 8+ normalized tables and 20+ complex SQL queries handling real-time bidding, transactions, user management and dashboard with zero data loss.

Railway Ticket Management System – Desktop Application | *Software Dev II*

2023

- Built a Java Swing/MySQL multi-user ticket booking system with SQL queries and stored procedures for inventory management, booking records, and data integrity validation.

CORE COMPETENCIES

• Quality Assurance • Mathematics, Probability & Statistics • Attention to Detail • Adaptability • Reliability