

M. A. Zubaer

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PROFILE STATEMENT

Aspiring AI/ML Engineer with hands-on experience building end-to-end machine learning and full-stack AI applications. Skilled in NLP and LLMs, with practical experience in model development, data analysis and deploying intelligent systems. Strong grasp of mathematical foundations essential for AI model optimization and algorithm design. Passionate about applying deep learning and AI to build intelligent, real-world solutions.

EXPERIENCE

Director of Human Resources

BRAC University Computer Club

Jan 2024 – Present

Dhaka, Bangladesh

- Managed **HR operations, member recruitment, and documentation** for the club.
- Organized **orientations, meetings, club events, tech competitions, and campaigns**.
- Collaborated across departments to **ensure smooth execution** of events and seminars.

TECHNICAL SKILLS

Programming Languages: Python, Java, PHP, C, Javascript, Bash

Web & Frameworks: Flask, FastAPI, Laravel, Blade, HTML, CSS, Vue.js

Databases & Query Languages: SQL, MySQL, SQLite

Machine Learning & AI: Scikit-learn, PyTorch, TensorFlow

Data Handling & Analysis: NumPy, Pandas

Data Visualization: Seaborn, Matplotlib

Version Control & Tools: Git, GitHub, Linux Shell

SOFT SKILLS

- **Strong communication and teamwork abilities**
- **Leadership and coordination** in collaborative environments
- **Problem-solving and critical thinking**
- **Adaptability and quick learning**
- **Time management and organizational efficiency**
- **Attention to detail and accountability**

MAJOR PROJECTS

Fitmate – Fitness & Wellness Tracker | PHP, Laravel, Vue.js, Tailwind CSS, Groq LLM API, SQLite

Jan 2026

- Developed an **AI-powered full-stack fitness & wellness webapp** serving **10+ core modules** including **personal AI coach for meal and workout planning**.
- Built **15+ REST APIs** with **Google OAuth**, improving database efficiency and ensuring **<800ms average response time**.
- Designed **responsive, Lighthouse-optimized UI** achieving **90+ performance score** with full mobile compatibility.

Hybrid Log Classification System | Python, FastAPI, BERT, Sentence Transformers, Groq LLM API, scikit-learn

Nov 2025

- Developed an **adaptive log classification system** combining **regex, BERT, and LLMs** for robust automation.
- Leveraged **Sentence Transformers with Logistic Regression** for complex patterns and **Groq API** for ambiguous logs, establishing a **robust three-tier classification strategy**.
- **Reduced manual log review time by ~75%** and achieved **98% classification accuracy** on test data.

Dhaka Property Price Prediction | Python, Scikit-learn, Flask, JavaScript, HTML, CSS, Vercel

Oct 2025

- Developed an **end-to-end ML web application** to predict property prices in Dhaka using machine learning.
- Implemented **data preprocessing, feature engineering, and regression modeling** using Python and Scikit-learn.
- Deployed the app on Vercel, achieving **<1s response time** and **91%+ model accuracy** on test data.

Penpal – An Online Stationery Shop | PHP, Laravel, Blade, SQLite

Aug 2025

- Developed a **full-stack e-commerce platform** with dynamic product management and secure transactions.
- Implemented **wishlist, cart, coupons, discounts and checkout system** ensuring smooth online purchasing flow.
- **Enhanced UX/UI**, achieving **seamless navigation and 100% mobile responsiveness**.

EDUCATION

BRAC University

Bachelor of Science in Computer Science

Dhaka, Bangladesh

2022 - Present

Rajshahi Collegiate School and College

Higher Secondary Certificate

Rajshahi, Bangladesh

2021

Rajshahi Collegiate School and College

Secondary School Certificate

Rajshahi, Bangladesh

2019