

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

Jan 2024 – Present

BRAC University Computer Club

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

Dhaka, Bangladesh

Bachelor of Science in Computer Science

2022 - Present

Rajshahi Collegiate School and College

Rajshahi, Bangladesh

Higher Secondary Certificate

2021

Rajshahi Collegiate School and College

Rajshahi, Bangladesh

Secondary School Certificate

2019