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PROFILE STATEMENT

Aspiring AI/ML Engineer with hands-on experience in developing predictive and automation systems using Python, PyTorch, TensorFlow, and Scikit-learn. Skilled in NLP and LLMs, with practical experience in end-to-end model development, data analysis, and deployment of intelligent applications. Adept at managing technical projects, maintaining clear documentation, and preparing performance reports that support data-driven decision-making. Strong analytical, organizational, and teamwork abilities with a keen interest in project coordination, operational efficiency, and AI-driven innovation.

EXPERIENCE

Senior Executive of Human Resources

Jan 2024 – Present

BRAC University Computer Club

Dhaka, Bangladesh

- Managed **HR operations**, **member recruitment**, and **documentation** for the club.
- Assisted in organizing **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**

PROJECTS

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, and 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**.

AutoEdge – Car Parts Ecommerce Platform | PHP, HTML, CSS, MySQL

Nov 2024

- Developed a **dynamic e-commerce platform** for car parts with inventory, order, and cart management in a **responsive UI**.
- Optimized SQL queries** and **data handling**, improving **database performance** by 40%.
- Integrated **database-driven functionality** to handle inventory, user data, and transactions efficiently.

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