NAZMUL MRIDHA

B.Sc. in Computer Science & Engineering | Junior AI/ML Engineer

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PROFESSIONAL SUMMARY

Computer Science and Engineering student at the University of Asia Pacific graduating in November 2026. Hands-on project experience in deep learning (EfficientNetV2-S activity classification on wearable sensor data) and NLP-based resume ranking, backed by strong fundamentals in Data Structures and Algorithms and Python development. Seeking an entry-level AI/ML Engineer role to build and apply practical machine learning models.

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript, C, SQL

AI/ML Areas: Machine Learning, Deep Learning, Image Classification, Natural Language Processing, Human Activity Recognition

Web & Databases: Django, HTML5, Tailwind CSS, MySQL

Tools: Git, GitHub

Core Areas: Data Structures & Algorithms • Object-Oriented Programming • Database Design • Technical Documentation

PROJECTS

- **SisFall Fall Detection Model (Python, Deep Learning, EfficientNetV2-S)** — Implemented a pipeline that converts wearable sensor data into time-frequency image mosaics and trained an EfficientNetV2-S classifier to recognize 19 activities of daily living. PatchCore anomaly detection, integrated inference, and severity validation are documented as planned, not yet implemented. github.com/Nazmul-SWE
- **UCI HAR Model (Python)** — Human activity recognition project based on the UCI Human Activity Recognition dataset.
- **Resume-Scanner (Python, NLP)** — Developed an automated resume screening system that uses Natural Language Processing to evaluate and rank candidate resumes, automating text processing for faster, more consistent screening.
- **Future Finds GadgetHub (Python, Django, HTML, Tailwind CSS)** — Built a Django e-commerce web platform for browsing, purchasing, and renting consumer technology products and hardware.
- **Other Projects** — PeerLink (Python, TCP, Tkinter: serverless peer-to-peer chat and file sharing); Bullet Train Management System (SQL, MySQL: relational database for schedules, routes, and ticketing data); Car Sell System (Java: desktop inventory application demonstrating OOP principles).

EDUCATION

B.Sc. in Computer Science & Engineering *Expected: November 2026*

University of Asia Pacific (UAP), Dhaka, Bangladesh | CGPA: **3.76 / 4.00**

Relevant Coursework: Machine Learning & Deep Learning • Data Structures & Algorithms • Database Systems • Object-Oriented Programming • Software Engineering

HONORS & AWARDS

- **Vice Chancellor's Honor List** — Three-time recipient, University of Asia Pacific
- **Dean's Honor List** — One-time recipient, University of Asia Pacific
- **Best Class Representative (CR) Award** — 2025

LEADERSHIP & ACTIVITIES

- **President** — Software & Hardware Club, UAP (Spring 2026)
- **Class Representative** —(Batch 52,C) Dept. of CSE, UAP
- **Organizer** — InnovateX 2025 National Hackathon | DevFusion Mini Hackathon | HackApex 2026 Inter University Hackathon
- **Volunteer** —Final Presentation NIPPON AI DOJO 2026 | IRO Bangladesh 2026 | UAP CSE Career Workshop & Job Fair 2026
- **Community** — Active Member, Dakbakhso Foundation | Youth Community Volunteer (Fire Service & Civil Defence)

LANGUAGES

Bengali: Native **English:** Proficient