



GOLAM MONAYEM

Machine Learning Engineer · Visual Designer · CSE Student

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Vatara, Dhaka, Bangladesh

PROFILE SUMMARY

I'm a CSE student at Presidency University with a genuine passion for machine learning and AI. Alongside my studies, I work professionally as an ML Engineer and Visual Designer at WICE BD — a combination that lets me understand both the data side and the human side of building products. I've built end-to-end ML systems, shipped full-stack web applications, and designed brand experiences. I am driven by a desire to contribute meaningfully, grow fast, and collaborate with people who care about building things that matter.

EDUCATION

B.Sc. in Computer Science & Engineering · [Presidency University, Bangladesh](#) · 2024 – Present

- Batch 241 | Relevant courses: Discrete Mathematics, Differential Equations, OOP (Java), DBMS, Software Engineering

HSC in Science · [Govt. Keshob Chanda College, Jhenaidah](#) · 2021–2022

- Relevant courses: Physics, Chemistry, Biology, Higher Math, ICT

WORK EXPERIENCE

ML Engineer & Visual Designer · [WICE BD](#) · 2026 – Present

Developing ML components and integrating them into client-facing products; building data pipelines and visual dashboards

- Worked across both technical and creative roles — Python code in the morning, Figma in the afternoon
- Converted a complex budget proposal PDF into editable SVG assets with full Bengali font rendering support

Visual Designer · [Digital Touch](#) · 2025 – 2026

- Designed brand identities, UI mockups, and marketing materials across multiple client industries
- Collaborated with dev teams for spec handoff and built reusable design systems that cut turnaround time

PROJECTS

DocuMind AI | Generative AI & RAG Project · [End-to-End ML Project](#)

- Developed an intelligent Document Q&A system leveraging Retrieval-Augmented Generation (RAG) and LangChain to extract context-aware answers from large PDF documents.
- Implemented ChromaDB for efficient document chunking and vector retrieval, integrating a locally hosted open-source LLM optimized via 4-bit quantization (bitsandbytes) for GPU execution.
- Built an interactive, real-time chat interface using Streamlit to facilitate seamless user interaction and document querying.
- Stack:** Python, LangChain, PyTorch, ChromaDB, Hugging Face, Llama-3, Streamlit, CUDA

Movie Recommendation System · [Machine Learning Project](#)

- Developed a content-based recommendation engine utilizing textual features to suggest movies based on user preferences.
- Engineered feature vectors using TF-IDF and computed similarity scores via Cosine Similarity to ensure accurate suggestions.
- Stack:** Python, Streamlit, Scikit-learn, Pandas, NumPy, Git

US Visa Approval Prediction · End-to-End ML Project

- Built a full ML pipeline — data ingestion → feature engineering → model training → Flask web app deployment
- Used scikit-learn classification on the EasyVisa Kaggle dataset; evaluated multiple models to select the best performer
- Stack: Python · scikit-learn · Pandas · NumPy · MongoDB · Docker · Conda · Jupyter

SkyCare Hospital Management System · DBMS Lab Course

- Full-stack HMS with patient, doctor, and admin portals; Node.js / Express backend on TiDB (MySQL-compatible cloud DB)
- Implemented RBAC across three user roles; Cloudinary for medical images; normalised relational schema
- Stack: Node.js · TiDB · Cloudinary

SKILLS

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

ML / AI: Scikit-learn, TensorFlow, PyTorch, NumPy, Pandas, Jupyter Lab, CUDA

MLOps & Cloud: Docker, MongoDB, AWS (basics), Conda / Virtualenv, Git, Bitbucket

Web / Backend: Node.js

Database: MySQL / TiDB, MongoDB, Schema design & Normalisation

RELEVANT COURSEWORK

Discrete Mathematics · Differential Equations · OOP (Java) · Database Management Systems · Software Engineering (UML, PERT/CPM, Activity Diagrams), Computer Networking, Digital Logic Design & Computer Architecture, Data Structures and Algorithms (DSA), Probability and Statistics

Coding Profile

- Participant, **ICPC Asia Dhaka Regional Site Preliminary (2026)**
- Codeforces Handle: **golam_monayem**
- Leetcode Username: **Golam_Monayem**

Extracurricular Activities & Leadership

1. Deputy General Secretary, Presidency University Programming Club

- Led and managed club activities, organizing workshops and coding bootcamps to enhance the programming skills of students.
- Fostered a collaborative environment for peer-to-peer learning and competitive programming preparation.

2. Member, PU Cyber Security Club (PUCSC)

- Actively participated in club activities and events, including the "Introduction to Cyber Security & CTF" workshop.
- Engaged in learning foundational cybersecurity concepts and their applications in software and data protection.

3. Volunteer, OAB Foundation

- Contributed to various social initiatives and foundation programs, demonstrating a commitment to community service and strong teamwork skills.

CURRENTLY LEARNING

Core ML algorithms (supervised & unsupervised) · Deep Learning with PyTorch · NLP & LLM Engineering · MLOps pipelines (3–4) hours daily via a structured 8-phase roadmap.

LANGUAGES

Bengali — Native · English — Professional Working Proficiency

CERTIFICATIONS

- End to End Machine Learning Project Implementation — Inception BD
- ML & Deep Learning — Coursera
- ML with Python — freeCodeCamp