

S.M. Shahriar

 sayeem26s@gmail.com |  Portfolio |  Chattogram, Bangladesh

EXPERIENCE

RESEARCHBUDDY AI | AI ENGINEERING INTERN

DEC 2025 -- PRESENT | REMOTE

- Developing AI agent systems and deploying LLM-based applications to production using Google Cloud Vertex AI.

BRAIN STATION 23 | INDUSTRIAL TRAINEE

MAY 2025 -- MAY 2025 | DHAKA, BANGLADESH

- Developed and deployed hands-on machine learning projects utilizing Streamlit, ZenML, Docker, and FastAPI.

PROJECTS

ASKWISE AI

| 2025

- Built an end-to-end RAG chatbot for document Q&A using Python, LangChain, FAISS, and Streamlit.
- Enabled semantic search over custom PDFs with modular LLM integration and secure API key management.
- Skills:** Python, LangChain, FAISS, Streamlit, HuggingFace Transformers, and Groq LLMs.

MULTIMODAL AI DOCTOR

| 2025

- Built a multimodal agentic LLM system (vision + text) for medical Q&A and image-guided assistance.
- Implemented multimodal agents to enable tool-based reasoning and structured, reliable responses.
- Skills:** Python, Multimodal LLMs, Agentic Workflows, Prompt Engineering.

UBER FARE MLOPS

| 2025

- Developed a complete MLOps pipeline using ZenML to predict optimal Uber fares, identify high-demand zones, and visualize pricing trends.
- Integrated model versioning, scheduled retraining with Gaussian noise augmentation, and automatic deployment based on MAE improvement.
- Skills:** LightGBM, Random Forest, ZenML, FastAPI, Docker.

SMART ATTENDANCE SYSTEM

| 2025

- Employed MTCNN and OpenCV for accurate frontal face detection and bounding box generation.
- Implemented ResNet-34 for robust subject identification and enhanced prediction accuracy.
- Skills:** Numpy, MTCNN, OpenCV, ResNet-34, FLASK.

SKILLS

Programming Languages: Python • C/C++

AI/ML Frameworks: TensorFlow • PyTorch • Keras • Scikit-learn • Hugging Face Transformers • OpenCV

Generative AI & LLMs: Large Language Models (LLMs) • Fine-tuning • Prompt Engineering

RAG & Vector Databases: Retrieval-Augmented Generation (RAG) • FAISS • Chroma

AI Agents & Orchestration: LangChain • LangGraph • Multi-Agent Systems • Agentic Workflows • Tool Integration

MLOps & Cloud Infrastructure: Docker • MLflow • Google Cloud Platform (GCP) • Vertex AI • Model Deployment

Backend & API Development: FastAPI • Flask • Node.js • REST APIs • Streamlit

Data Engineering: NumPy • Pandas • Data Preprocessing • Feature Engineering

Visualization & Frontend: Matplotlib • Seaborn • Plotly • React • HTML/CSS

EDUCATION

Chittagong University of Engineering and Technology (CUET)

B.Sc. in Electronics and Telecommunication Engineering

Mar 2022 – Present

CGPA: 3.81 / 4.00 (up to 6th semester)

ACHIEVEMENTS

National Datathon – CUET CSE Fest

4th Place (4th of 152 teams) | 2025

Datathon – KUET CSE Bitfest 2025

Finalist (13th of 108 teams) | 2025

IEEE Signal Processing Cup

Finalist – Worldwide | 2025

Programming Hackathon – Dept. of ETE, CUET

1st Runner-up | 2023

CONTACT

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