

# 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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