MUNTAKIMUR RAHAMAN

Data Scientist | GEN AI Engineer | ML Engineer

📞 (+60) 174049373 | ✉ muntakim.cse@gmail.com | 🔗 LinkedIn

PROFESSIONAL SUMMARY

- Over four years of experience delivering full-cycle machine learning products, from value discovery and model design to cloud deployment and post-production monitoring.
- Developed **15+ AI-driven solutions** across **energy, geospatial, industrial safety, and customer service domains** for global enterprises including **MadisonTech, Oxy, Senex Energy, and Motorola Solutions**, achieving **30%+ process efficiency gains** and **40%+ reduction in manual effort**.
- Proficient in **Python, TensorFlow, PyTorch, LangChain, LangGraph, SQL, AWS, and GCP.** Skilled at leading cross-functional teams and presenting insights to C-suite stakeholders.

CORE COMPETENCIES

- ML Product Lifecycle
- LLM Fine-Tuning & RAG
- Stakeholder Engagement
- MLOps & Cloud Pipelines
- Data-Science Leadership
- Agile Project Management

EXPERIENCE

GenAI & LLM Data Scientist (Part-time) — VedTeq · Remote (India)

January 2025 – March 2025

- Successfully implemented three production-grade RAG pipelines (LangChain + Faiss), resulting in an average latency reduction of **45 ms**.
- Developed **GPT-4o-mini**-supported agents, which reduced the human ticket load by **25%**.
- Authored a modular RAG framework, decreasing new client onboarding time from three weeks to five days.
- Build recommendation engine for University recommend based on user profile with **98% accuracy**.
- Crafted a personalized **Gemini-powered** chatbot for better suggestions.

Senior Data Scientist— Innova Analytics · Remote (Australia)

June 2022 –January 2025

- Re-architected the streaming stack (GCP Pub/Sub + PySpark), leading to a **30%** increase in throughput.
- Deployed an **LLM-powered well-data** explorer, which shortened insight lead-time from hours to minutes.

- Extended pump run-life by **12% on 400** assets through predictive maintenance models.
- Designed and deployed a **data-driven application** to monitor and quantify **shutdown impact on adjacent wells**, enabling **real-time visibility into pressure, flow, and downtime metrics**.
- Implemented **YOLOv8 PPE** detection with 98% accuracy on Jetson edge devices for real-time safety.
- Designed and deployed an **AI-powered railway safety system** utilizing **camera sensors** for track and obstacle monitoring, achieving **> 90% incident detection accuracy** and recognized with the **Cisco 2025 AI Innovation Award**.

Data Scientist— **Leading Engineers Solutions** · Remote (Australia)

April 2021 – May 2022

- Developed a housing-price prediction API **(R² = 0.95)** serving over 50,000 monthly users.
- Automated council-document classification using BERT, achieving a 31 percentage point accuracy uplift.
- Created Dash/Plotly geospatial interactive dashboards, which halved disaster-response map preparation time.

EDUCATION

- **Master of Engineering Science (Research), AI in Cyber-Security & Networking**—Multimedia University, Cyberjaya, 2025–present. *Publication: 1 paper accepted.*
- **Bachelor of Science in Computer Science and Engineering (CGPA 3.74/4.0)** — Bangladesh Army International University of Science & Technology, 2016–2020

CERTIFICATIONS

- [IBM Data-Science Professional](#)
- [DeepLearning.AI TensorFlow Developer](#)
- [IBM Spark Level 1](#)
- [Generative AI Essentials on AWS](#)

TECHNICAL SKILLS

- **Languages:** Python**,** ReactJS, SQL, Java**,** Node.js & Rust.
- **Frameworks:** FastAPI, TensorFlow, PyTorch, Scikit-learn, Mapbox, GeoPandas, OpenCV, YOLO, LangChain, OpenAI
- **MLOps & Development:** Git, Docker, Airflow, and MLFlow.
- **Cloud & Data:** AWS, GCP, PostgreSQL, BigQuery, Spark, Faiss, ChromaDB, SageMaker.
- **Algorithms:** Regression, Gradient Boosting, XGBoost, CatBoost, Decision Tree, Random Forest, K-means, SAX, Prophet, CNNs, Transformers, LSTM, Autoencoders, Few-Shot Learning, Zero-Shot Learning, and Supervised Fine-Tuning.