

# MUNTAKIMUR RAHAMAN

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🔗 [LinkedIn Profile](#) | 🔗 [GitHub](#)

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## PROFESSIONAL SUMMARY

Results-driven **Data Scientist** with **4+ years** of experience specializing in **geospatial analysis, computer vision, time series modeling, and GenAI**. Adept at **LLM-powered solutions, data processing, and AI model deployment** to drive automation and business intelligence. Expertise in **Python, TensorFlow, PyTorch, LangChain, MLOps, and Cloud Computing (AWS, GCP)**. Passionate about building **cutting-edge AI-driven solutions** that enhance efficiency and decision-making.

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## CORE SKILLS & COMPETENCIES

- ✓ **Data Science & AI:** Machine Learning, Deep Learning, Time Series, Geospatial Analysis
  - ✓ **Generative AI & LLMs:** LangChain, LangGraph, OpenAI, Retrieval-Augmented Generation (RAG)
  - ✓ **Computer Vision:** OpenCV, YOLO, FaceNet, Image Classification & Object Detection
  - ✓ **MLOps & Cloud:** AWS, GCP, Docker, Airflow, DVC, MIFlow, Model Deployment
  - ✓ **Data Engineering:** SQL, Data Processing, ETL, Business Intelligence, Dashboarding (Plotly, Mapbox)
  - ✓ **Programming & Frameworks:** Python, SQL, FastAPI, ReactJS, Scikit-learn, TensorFlow, PyTorch
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## PROFESSIONAL EXPERIENCE

### Senior Data Scientist

📍 *Innova Analytics | Queensland, Australia (Remote) | 2022 – Present*

- **Optimized streaming data processing** in cloud environments (AWS/GCP), boosting efficiency by **30%**.
- Developed **LLM-powered AI chatbots** and **retrieval-augmented generation (RAG) systems**.
- Built **time series forecasting models** to improve predictive maintenance and operational efficiency.
- Led **computer vision projects** for **real-time PPE detection** and **Australian Rail Safety System**.
- Designed **graph-based well data analytics**, reducing manual review time by **40%**.

### Data Scientist

📍 *Leading Engineers Solutions | NSW, Australia (Remote) | 2021 – 2022*

- Built a **housing price prediction model** with **95% accuracy** using machine learning.
  - Automated **document classification** for council offices, boosting accuracy by **85%**.
  - Developed **geospatial visualization tools** for **disaster management** and urban planning.
  - Designed and implemented **generative design algorithms**, reducing city planning cycles by **50%**.
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## EDUCATION

🎓 **B.Sc. in Computer Science and Engineering**  
📍 *Bangladesh Army International University of Science and Technology (2016-2020)*  
📊 **GPA: 3.74 / 4.0**

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## CERTIFICATIONS

🏆 **IBM Data Science Professional Certificate** | IBM  
🏆 **DeepLearning.AI TensorFlow Developer** | Coursera  
🏆 **IBM Spark - Level 1** | IBM

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## PROJECTS & RESEARCH

### 🚀 **GenAI LLM Chatbot** ([GitHub](#))

- ♦ Built a **GenAI-powered chatbot** with **LangChain**, **OpenAI**, and **Ollama** for **PDF/CSV analysis & document comparison**.
- ♦ Integrated **retrieval-augmented generation (RAG)** for **context-aware** interactions.

### 🚀 **AI-Powered Face Recognition System** ([GitHub](#))

- ♦ Developed a **YOLO5Face & FaceNet-based** face recognition system.
- ♦ Enabled **real-time identity verification** with high accuracy.

### 🚀 **Rail-Crossing Safety Project** ([GitHub](#))

- ♦ Designed a **computer vision-based rail safety monitoring system** using **YOLOv8 & Jetson Nano**.
- ♦ Deployed **real-time alerts** to prevent railway crossing accidents.

### 🚀 **Automated ML Pipelines (MLOps)** ([GitHub](#))

- ♦ Implemented an **Apache Airflow-based ML pipeline** for **K-Means clustering model automation**.
  - ♦ Integrated **DVC & MIFlow** for **model tracking & reproducibility**.
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## TOOLS & TECHNOLOGIES

🔧 **Languages:** Python, SQL, ReactJS  
🔧 **AI & ML Frameworks:** TensorFlow, PyTorch, Scikit-learn, OpenAI, LangChain  
🔧 **Cloud Platforms:** AWS, GCP  
🔧 **DevOps & MLOps:** Docker, Airflow, DVC, GitHub, MIFlow  
🔧 **Visualization:** Plotly, Mapbox

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## ADDITIONAL INFORMATION

🔍 **Open to Data Science & AI roles in the USA, Europe, and Remote positions**  
✉️ Let's connect! [LinkedIn](#) | [GitHub](#) | Email: [muntakim.cse@gmail.com](mailto:muntakim.cse@gmail.com)