Muntakimur Rahaman

Data Scientist

Comilla, Bangladesh | +8801914-480233 | muntakim.cse@gmail.com

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

Professional Summary

Experienced Data Scientist with 4+ years of expertise in geospatial analysis, computer vision, and time series modeling. Proficient in optimizing spatial databases, designing analytical frameworks, and leveraging advanced machine learning models to drive data-driven decisions. Adept at leading teams, applying cutting-edge technologies, and delivering measurable business outcomes.

Core Competencies

- Data Processing & Analysis
- Business Analytics
- Time Series & Geospatial Modeling
- Dashboard Development (Plotly, Mapbox)
- Machine Learning (TensorFlow, PyTorch)
- Computer Vision (OpenCV, YOLO)
- Cloud Computing (AWS, GCP)
- MLOps & Model Deployment

Technical Skills

Languages: Python, SQL, ReactJS
Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, GeoPandas, FastAPI,Plotly
Tools & Platforms: Mapbox, Docker, OpenAI, LangChain, DVC, Git/Github, MlFlow
Cloud Services: AWS, GCP
Certifications: IBM Data Science Professional Certificate, TensorFlow Developer

---

Professional Experience

Senior Data Scientist
Innova Analytics | Queensland, Australia (Remote)
2022 – 2025

- Optimized streaming data techniques with cloud products, enhancing processing efficiency by 30%.
- Built time series solutions, including a pump run life analytics dashboard, improving operational efficiency.
- Designed a graph-based system for well data analysis, reducing manual review time by 40%.
- Developed a real-time PPE detection system with advanced computer vision technologies.

- Created an IoT dashboard to streamline device management, improving resource allocation.

Data Scientist
Leading Engineers Solutions | NSW, Australia (Remote)
2021 – 2022

- Built a housing price forecasting model, achieving 95% prediction accuracy.
- Automated document classification for council offices, boosting accuracy by 85%.
- Designed geographical visualization tools, aiding disaster management efforts.
- Implemented generative design algorithms for urban planning, cutting design cycle times by 50%.

Education

B.Sc. in Computer Science and Engineering
Bangladesh Army International University of Science and Technology
GPA: 3.74 / 4.0

Certifications

- **IBM Spark - Level 1** (IBM) [Certification Link](#)
- **Data Science Professional Certificate** (IBM) [Certification Link](#)
- **Applied Data Science I** (Coursera) [Certification Link](#)
- **DeepLearning.AI TensorFlow Developer** [Certification Link](#)

Notable Projects

- **Pump Run Life Analytics Dashboard**: Predictive maintenance solution optimizing equipment uptime.
- **Real-Time PPE Detection**: Computer vision system ensuring compliance and safety.
- **Geographical Visualization Platform**: Interactive mapping for disaster response.
- **Generative Design Algorithm**: Automated city and floor planning for efficiency.