Rehan Alam

+91-7318282825 —— rehanalam1369@gmail.com

Portfolio: rehanalam.netlify.app Github:GitHub.com/rehanalam1369 Linkedin:LinkedIn.com/in/rehanalam1369

Professional Summary

Aspiring Data Scientist with hands-on experience in machine learning, deep learning, MLOps, and data analysis. Proficient in Python and its data science stack, with strong skills in model deployment using AWS SageMaker and FastAPI. Skilled in designing scalable pipelines and integrating models into cloud-based systems and APIs.

Technical Skills

- **Programming Languages:** Python, SQL
- **Machine Learning:** Scikit-learn, XGBoost, PyTorch, TensorFlow, ANN , CNN, Feature Engineering
- **Data Analysis:** Pandas, NumPy, SciPy, Exploratory Data Analysis (EDA), Data Visualization
- **MLOps:** AWS SageMaker, MLflow, CI/CD, Docker, Kubernetes, Model Deployment
- **Data Engineering:** MySQL, Data Pipelines, ETL Processes
- **Web Frameworks:** FastAPI, Streamlit
- **Tools:** Git, Jupyter Notebook, Power BI, Tableau

Professional Experience

Data Science Intern — Intervie Tech Pvt. Ltd. Jun 2024 – Aug 2024

- Developed predictive machine learning models to analyze customer behavior patterns
- Created Tableau dashboards to visualize key customer intent metrics
- Built data pipelines to process and analyze large customer datasets
- Collaborated with cross-functional teams to implement data-driven solutions

Education

KMCLU University, Lucknow Aug 2021 – May 2025
Bachelor of Technology (B.Tech) in Computer Science
CGPA: 7.9/10

Projects

Vehicle Crash Detection System

- Developed computer vision model using PyTorch and ResNet50 to classify vehicle crash types
- Achieved 92% accuracy in identifying front vs. rear collisions from images
- Deployed model as REST API using FastAPI for real-time predictions
- **Technologies:** PyTorch, FastAPI, ResNet50, Computer Vision

Bank Loan Credit Risk Model

- Built XGBoost classifier to predict loan default risk with 94% accuracy
- Developed Streamlit web application for loan eligibility assessment
- Implemented data preprocessing pipeline for customer input data
- **Technologies:** XGBoost, Scikit-learn, Streamlit, Machine Learning

Healthcare Insurance Premium Prediction

- Created regression models to predict insurance premiums based on health data
- Optimized model performance using feature engineering techniques
- Deployed predictive model using Streamlit for user-friendly interface
- **Technologies:** Scikit-learn, XGBoost, Streamlit, Regression Analysis

Certifications

- Python for Data Science, SQL for Data Science, Machine Learning — Codebasics
- Statistics for Data Science — Intervie

Additional Information

- Languages: English (Fluent), Hindi (Fluent)
- My Portfolio: rehanalam.netlify.app