Rehan Alam

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Professional Summary

Data Scientist with experience in machine learning, deep learning, and MLOps. Skilled in Python, PyTorch, and Scikit-learn. Strong background in developing and deploying predictive models using AWS SageMaker and FastAPI. Expertise in building end-to-end data science pipelines from data analysis to production deployment.

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. (Remote) 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)
- GitHub Portfolio: github.com/rehanalam1369