Raihankhan Malek

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PROFILE

Data Analyst with strong foundations in Artificial intelligence, Machine Learning, Neural Networks, and Deep Learning, experienced in Python (Pandas, NumPy, Scikit-learn), SQL, Power BI, Tableau, Excel, TensorFlow, and statistical modeling. Skilled in building data pipelines, predictive models, behavior-based recommendation systems, and KPI dashboards to drive data-driven business decisions.

EXPERIENCE

Data Analyst Intern   **July 2025 - Current**
The Skillians   *Remote*

- Performed exploratory data analysis (EDA) and statistical analysis on user interaction data to identify product issues and optimization opportunities, contributing to a 10% improvement in user adoption.
- Designed and implemented a behavior-based recommendation system that suggests audio, text, and video content based on customer usage patterns, engagement history, and preferences.
- Built predictive models using Scikit-learn to forecast user behavior and churn probability, enabling data-driven recommendations that reduced churn risk by 12%.

PROJECTS

Heart Disease Prediction | Python, Pandas, NumPy, Scikit-learn, Streamlit   **Demo | GitHub**

- Built a Logistic Regression ML model using Python and Scikit-learn, achieving 87% accuracy on 300+ patient records.
- Developed an end-to-end ML pipeline including data preprocessing (Pandas), model training (Scikit-learn), and deployment using Streamlit.
- Improved diagnostic reliability with 87% accuracy, demonstrating strong skills in data cleaning, feature engineering, and model tuning.

Super Store Analysis | SQL, Power BI, Excel   **GitHub**

- Performed SQL-based data analysis with 20+ complex queries involving aggregations, joins, RFM analysis, CTEs, and window functions.
- Identified the top 10 high-profit customers and analyzed the impact of discounts to optimize profitability.
- Created Power BI dashboards and delivered data-driven business recommendations for product mix, shipping strategy, and regional promotions.

Telco Customer Churn Analysis | Python, SQL, Tableau, Power BI   **GitHub**

- Conducted EDA and SQL analysis to identify churn patterns based on tenure, contract type, and payment methods.
- Cleaned and processed customer data using Pandas, Matplotlib, and Seaborn, improving data quality and insights.
- Designed 4+ interactive Tableau & Power BI dashboards to visualize trends and enable targeted retention strategies for business stakeholders.

EDUCATION

New LJ Institute of Engineering and Technology   **Ahmedabad, India**
B.E. in Computer Science   *July 2020 – July 2024*

SKILLS

Languages: Python, SQL
Visualization: Power BI, Tableau, Excel
Analytics: Statistical Analysis, Data Cleaning, ML, Predictive Modeling
Tools: Git, GitHub, Jupyter Notebook
Soft skills: Analytical Thinking, Problem-Solving, Attention to Detail

CERTIFICATIONS

IBM Data Science Professional Certificate | Microsoft Machine Learning Essentials | Google Data Analytics Certificate | BCG X Generative AI Fundamentals | IBM SQL Databases