Muhammad Burhan Ud Din

burhananwar89@gmail.com | +923281066668 | LinkedIn | GitHub

ABOUT

I am a highly organized individual with experience in **Data Science** at **HBL Headquarters** and **Data Engineering** at **Dubizzle Labs**. I am seeking a challenging opportunity to enhance my practical skills and contribute to impactful projects. My passion for becoming a Data Scientist is supported by a blend of creative and analytical abilities, which I have successfully applied in previous roles. I aim to leverage my expertise in data analysis and engineering to drive innovative solutions and support data-driven decision-making within a dynamic team environment.

EDUCATION

National University of Computer and Emerging Sciences (FAST-NUCES) Lahore, Pakistan
Bachelors in Data Science Aug 2021 - Present

EXPERIENCE

Dubizzle Labs | Data Engineer Intern Lahore, Pakistan (Jul 2024 - Aug 2024)
At Dubizzle Labs, I worked on a competitive intelligence initiative using data engineering techniques to collect and analyze structured data from platforms such as Daraz and OLX. The insights informed pricing models, feature benchmarking, and UX enhancements, directly contributing to their product growth. I gained hands-on experience in data pipelines and cross-functional collaboration.

HBL-Headquarters | Data Science Intern Islamabad, Pakistan (June 2023 - Aug 2023)
At HBL Headquarters, I spearheaded a data science project analyzing raw loan and transaction data. Leveraging data modeling techniques, I engineered new, aggregated features from diverse temporal datasets (daily, monthly, yearly), enhancing data utility. I developed an interactive Power BI dashboard to visualize loan transactions and key metrics, enabling actionable insights for stakeholders. This initiative strengthened my expertise in data modeling, feature engineering, and visualization.

PROJECTS

AI Threat Intelligence System (Final Year Project in collaboration with Ebryx) | FAST-NUCES & Ebryx
Built a web app that predicts phishing emails, detects network attacks, and analyzes user behavior using ML/DL. Used Python, Flask, TensorFlow, and Scikit-learn. Designed in line with real-world industry standards.

Loan Analysis | HBL-Headquarters
In the Loan Analysis project, we used **data mining** techniques and **feature engineering** for data preprocessing. We then created an interactive dashboard in **Power BI** to visualize insights and support decision-making.

Data Engineering | Dubizzle Labs
Designed and analyzed real-time product listing data from competitor platforms. Acquired hands-on expertise in scalable data extraction, REST API management, and converting raw web data into structured formats for strategic decision-making.

Game Recommendation System | FAST NU
A game recommendation system for streamers, integrating Natural Language Processing **(NLP)**, Data Mining **(DM)**, Machine Learning **(ML)**, and Deep Learning **(DL)** techniques, implemented in Python.

Landslide Prediction | FAST NU
This project uses machine learning **(ML)** and deep learning **(DL)** models in Python to predict and categorize landslides based on geospatial and environmental data. Our models provide early warnings to help manage and mitigate landslide risks.

TECHNICAL SKILLS

Programming Languages: Python, C/C++, SQL, R, HTML, Assembly Language.
Frameworks and Libraries: PySpark, Apache Hadoop, Selenium, Map Reduce.
Tools and Platforms: Jupyter Notebook, Google Colab, Power BI, Microsoft Excel, Postman, Android Studio, Scrapy, HTTP Toolkit.
Data Visualization: Matplotlib, Seaborn, pyplot, Plotly.

CERTIFICATIONS

Specialization In Machine Learning - Stanford University (Coursera) [Verify]