MOHD ARIZ KHAN

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Profile

Aspiring Data Scientist with a strong foundation in mathematics and 2 years of experience in data processing, predictive modeling, and hyperparameter tuning. Proficient in Python, SQL, machine learning, deep learning techniques, including neural networks, large language models (LLMs), and time series forecasting. Skilled in developing end-to-end data-driven solutions and visual analytics dashboards.

Professional Experience

Software Engineer, *CostaCloud*   May 2023 – Present | New Delhi

QuerySage ⬈
Developed a Retrieval-Augmented Generation (RAG) system integrating Elasticsearch and Hugging Face models for efficient summarization and question answering from PDF documents.

Locato ⬈
Built a predictive model leveraging advanced machine learning techniques to forecast future user locations by analyzing historical movement patterns.

Data Science Intern, *AI Variant*   Aug 2022 – Apr 2023 | Hyderabad

CareerAlign ⬈ **(Web Scraping)**
Enhanced job recommendation systems by optimizing personalized job matches using LinkedIn data.

GuestPulse ⬈ **(Natural Language Processing)**
Analyzed hotel attributes that significantly influence traveler choices using NLP techniques.

StayConnect ⬈ **(Machine Learning)**
Predicted customer churn in telecommunications by applying machine learning algorithms to identify key churn indicators.

DeathMetrics: Episode-wise Breakdown Dashboard ⬈
Created an interactive Tableau dashboard that visualizes episode-wise breakdowns of deaths, offering insights into patterns and trends, and highlighting key episodes with the highest fatalities.

Skills

Machine Learning — Regression, classification, clustering algorithms. │ **Natural Language Processing** — Text processing, sentiment analysis, LLMs for question answering. │ **Python** — NumPy, Pandas, Scikit-Learn, Statsmodels, Matplotlib, Seaborn. │ **Deep Learning:** — Neural networks with TensorFlow, PyTorch, LangChain. │ **SQL** — Query writing and data analysis │ **Data Visualization** — Dashboards with Tableau and Power BI │ **Elasticsearch & Kibana** — Search and analytics solutions, RAG systems. │ **Cloud** — Azure for cloud service management. │ **API Development** — Building FastAPI for model deployment.

Certificates

- Data Science Certification from ExcelR
- Internship in Data Science from AI Variant
- Machine Learning with Python from IBM
- Masters Program in Data Science from Nasscom

Education

Jamia Hamdard, *Masters in Computer Application (MCA)*   2020 – 2022 | New Delhi

Jamia Hamdard, *Bachelors in Computer Application (BCA)*   2017 – 2020 | New Delhi