Jakir Husain Luhar

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➤ B.Tech in Computer Science, Engineering College Bikaner, 2017-2021 - 75%

Professional Summary

- Highly motivated and detail-oriented data science professional with 3+ years of experience in developing and deploying data-driven solutions, with a strong focus on machine learning, data engineering, and business problem-solving.

Skills

- **Programming Languages:** Python (Advanced), SQL
- **Databases:** PostgreSQL, Snowflake, MySQL, MongoDB
- **Libraries & Frameworks:** Pandas, NumPy, Scikit-learn, OpenCV, Streamlit, SQLAlchemy
- **Machine Learning:** EDA, Hypothesis Testing, Polynomial & Logistic Regression, Naive Bayes, SVM, Decision Tree, Random Forest, Recommendation Systems
- **Deep Learning & Sequence Models:** ANN, CNN, RNN, GRU, LSTM, Encoder-Decoder, Sequence-to-Sequence Models, Attention Mechanism, Transformers, Time Series Prediction, NLP
- **Large Language Models & Generative AI:** LLMs, Prompt Engineering, LangChain, Hugging Face, Groq
- **Web Scraping & API Tools:** Selenium, Playwright, Beautiful Soup, Requests, Scrapy, Postman
- **BI & Visualization Tools:** Google Data Studio, Tableau, Power BI
- **AutoML & Cloud Platforms:** Google Vertex AI, BigQuery
- **Customer Engagement Platforms:** CleverTap, WebEngage

Work Experience

Data Engineer - Alternative Path Pvt. Ltd., Gurgaon (Dec 2023 - Present)

- Developed and maintained data pipelines to ingest data from diverse sources including web scraping (APIs and HTML), third-party vendors via Amazon S3, and email attachments.
- Transformed, cleaned, and loaded structured and unstructured data into databases such as PostgreSQL and Snowflake using SQLAlchemy and Python-based ETL processes.
- Performed downstream data enrichment including sentiment analysis, timestamp comparison, and extracting key insights using custom logic and NLP models.
- Automated the distribution of processed data and insights to portfolio managers via email (HTML tables using great_tables) and S3 bucket integration.

Data Scientist - WitZeal Technology Pvt. Ltd., Gurgaon (Oct 2022 - Nov 2023)

- Created a Retention Engine using clustering (K-Means with PyCluster) and bonus allocation logic, resulting in a 15-22% boost in 30-day user retention.
- Developed fraud detection algorithms to prevent abuse of cashback bonuses using behavioral pattern recognition in Python.
- Built Funnels on CleverTap to track and improve user conversion flows, resulting in 2-3% gains in efficiency.

Data Scientist - Voosh Food Tech Pvt. Ltd., Bangalore (Oct 2021 - Oct 2022)

- Built a Menu Engineering algorithm using Levenshtein Distance and NLP, achieving 82% accuracy in pattern matching.
- Designed ETL pipelines using Selenium and Python to collect data from multiple sources, storing it in MongoDB for analysis.
- Applied Naive Bayes for Cuisine Classification, Apriori Algorithm for combo analysis, and performed extensive competitor analytics.

Projects

- **AI School Management (ASM)**: Built automated attendance and AI-enabled library system using OpenCV & Deep Learning.
- **AI Video Processing (AVP)**: Web app for background/foreground estimation, panorama stitching, and document scanning.
- **Automated Model Selection**: Tool that outputs the best classification model by comparing metric + complexity trade-offs.
- **Enhance Accuracy**: Applied Random Forest and hyperparameter tuning to improve medical data classification accuracy from 60% to 95%.
- **Smart & Secure Parking System**: Used ML, IoT, OpenCV to develop license plate-based entry/exit and monitoring system.
- **Real Estate Predictor**: Model visualizes optimal architectural choices based on locality-specific data to enhance profitability.
- **Insurance Claim Analysis**: Built fraud analysis pipeline to detect claim issues—vehicle or part quality.
- **Kaggle Walmart Forecast**: EDA on item-level data, sales prediction model to optimize store inventory.
- **Diet Planer with AI**: Python-based web application that uses GROQ and Streamlit to generate personalized diet plans based on user preferences, goals, and health information.
- **Resume builder using AI**: A smart resume generator that builds customized resumes based on LinkedIn job descriptions and your experience using AI.

Certifications

- Machine Learning - Internshala
- Python (20+ Projects) - Udemy
- Deep Learning - Udemy
- Machine Learning - Udemy
- Basics of R Programming - Udemy
- C++ Developer - Samyak IT Solutions Pvt. Ltd.

Achievements

- Finalist - TechGig Code Gladiators
- 1st Rank - Analytics Vidhya Challenge by Internshala
- 1st Rank - College Wall Decoration Competition
- Co-founder - Technical Club "AARON"
- Represented college in Badminton at IIT Roorkee and participated in workshops by NIT Kurukshetra, Govt of Rajasthan

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