Mohd Atif

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Summary

Data Scientist with hands-on experience in **Python, SQL, Machine Learning, and Generative AI**. Built **end-to-end ML systems, churn prediction models, LLM-powered assistants, and decision intelligence dashboards**. Strong in **predictive modeling, feature engineering, and business analytics**, translating data into measurable business impact.

Professional Experience

Data Analyst Intern *Arabania Indo-Arabic Restaurant*
June 2024 – May 2025, Lucknow

- Analyzed 100K+ sales and customer records using Python, SQL, and Excel to identify revenue trends and seasonal demand patterns.
- Performed ABC analysis and demand forecasting, improving gross margins by 15% and reducing food waste by 20%.
- Built 5+ Power BI dashboards tracking KPIs including revenue growth, repeat customers, and inventory turnover.
- Identified underperforming SKUs leading to 12% improvement in pricing optimization.

Projects

AI Automation Desktop Assistant (OpenClaw Wrapper) GitHub
Node.js, LLMs, Playwright, SQLite

- Built chat-first automation assistant enabling non-technical users to create workflows without command-line tools.
- Integrated local LLM (Phi-3 via Ollama) with fallback to API-based models for reliability.
- Developed agent scheduling system with sandbox mode and execution logs using SQLite.
- Automated LinkedIn posting and engagement workflows via Playwright, reducing manual effort by 80%.
- Designed conversational interface translating natural language into executable automation actions.

AI Customer Churn Decision Intelligence Platform Live App
FastAPI, Streamlit, Scikit-learn, LLM APIs

- Built end-to-end churn prediction system using logistic regression trained on 7K+ customer records.
- Achieved 85%+ model accuracy with improved recall for high-risk customers through feature engineering.
- Integrated LLM APIs to auto-generate personalized retention strategies.
- Developed what-if simulation engine to estimate revenue impact of churn scenarios.
- Deployed interactive dashboard via Streamlit with FastAPI backend.

Smart City Analytics Dashboard Project Link
Python, Streamlit, APIs

- Built real-time dashboard for monitoring traffic, weather, and pollution metrics.
- Automated ingestion of 50K+ daily data points via APIs, reducing manual reporting effort by 70%.
- Designed anomaly detection pipeline to trigger alerts on unusual patterns.

Technical Skills

Programming: Python, SQL, R, JavaScript
Machine Learning: scikit-learn, TensorFlow, XGBoost, NLP, RAG, LLM Integration, SMOTE, Model Evaluation
Data Tools: Pandas, NumPy, Power BI, Tableau, BigQuery, Snowflake, Excel
Engineering: FastAPI, Flask, REST APIs, Docker, Git, ETL Pipelines, Deployment
Cloud: AWS (S3, EC2)
Analytics: EDA, Feature Engineering, A/B Testing, KPI Tracking, Data Storytelling

Certifications

Google Data Analytics Professional Certificate • Prepare Data for Exploration • Process Data from Dirty to Clean

Education

Indian Institute of Technology, Madras *2022–2025*
B.S. in Data Science and Applications
Relevant Coursework: Machine Learning, Statistics, Data Analysis, Databases