

Mohd Atif

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Summary

Data Scientist with hands-on experience in Python, SQL, machine learning, and Generative AI. Skilled in predictive modeling, statistical analysis, and data visualization to solve real-world business problems. Built end-to-end ML and AI systems including churn prediction, LLM-powered assistants, and automation platforms. Strong at translating data insights into actionable business decisions.

Core Competencies

Predictive Modeling • Data Analysis • Machine Learning • Data Visualization • Statistical Analysis • Business Intelligence • Feature Engineering • Model Evaluation • Stakeholder Communication • Decision Intelligence

Technical Skills

Programming: Python, SQL, R, JavaScript

ML/AI: scikit-learn, TensorFlow, XGBoost, NLP, RAG, LLM integration, SMOTE, predictive modeling

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

Professional Experience

Data Analyst Intern

June 2024 – May 2025, Lucknow

Arabania Indo-Arabic Restaurant

- Analyzed 100K+ sales and customer records using Python, SQL, and Excel to identify revenue trends and customer behavior.
- Performed ABC analysis and demand forecasting to optimize inventory planning, improving gross margins by 15% and reducing food waste by 20%.
- Built Power BI dashboards to support pricing, inventory, and promotion decisions.
- Translated analytical insights into operational improvements with management.

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 automatic switching to API-based models.
- Developed agent scheduling system with sandbox mode and execution logs using SQLite.
- Implemented LinkedIn browser automation for posting and commenting via Playwright.
- Designed conversational UI translating natural language into 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 and risk scoring.
- Applied feature engineering to improve churn risk identification.
- Integrated LLMs for automated retention strategies.
- Developed what-if simulations to estimate churn impact.

Smart City Analytics Dashboard

Project Link

Python, Streamlit, APIs

- Built real-time dashboard for traffic, weather, and pollution monitoring.
- Automated ingestion of 50K+ daily data points.
- Designed anomaly detection pipelines for alerts.

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