

JWALA KUMAR

DATA ANALYST | SQL | PYTHON | POWER BI | EXCEL

Noida, Uttar Pradesh | 9336386072 | jwalakumar961645@gmail.com | [Portfolio](#) | [GitHub](#)

SUMMARY

Entry-level Data Analyst with an MCA and BCA and hands-on experience in data cleaning, exploratory data analysis, KPI reporting, dashboard development, SQL data modeling, and predictive modeling. Built end-to-end analytics and ML projects across retail forecasting, inventory operations, and multimodal classification. Skilled at translating raw data into clear trends, forecasts, and business-facing insights using Python, SQL, Excel, Power BI, and modern web dashboards.

CORE SKILLS

Analytics & Reporting: Data Cleaning, EDA, Feature Engineering, KPI Analysis, Scenario Modeling, Financial Audits, Trend and Seasonality Analysis, Dashboard Development, Data Storytelling

Programming: Python (Pandas, NumPy), SQL

Visualization & BI: Power BI (DAX, Star Schema, Dynamic KPIs), Recharts, Advanced Excel, Google Sheets

Databases: SQL Data Warehousing, Relational Schemas, MySQL, SQLite/Turso, MongoDB

ML & Applied AI: Automated ETL, Prophet, Random Forest, XGBoost, PyTorch, DistilBERT, ResNet-18, NLP, Computer Vision

Development & Tools: REST APIs, React, Node.js, Express, Streamlit, Git/GitHub, Jupyter Notebook, VS Code, Tailwind CSS, JWT

SELECTED PROJECTS

SignalBoard Analytics OS - AI-Powered Data Analytics Dashboard | React 19, TypeScript, Recharts, tRPC, Express, Python, Pandas, Hugging Face
signalboard-analytics.onrender.com/

- Built a full-stack analytics dashboard for CSV and Excel uploads that profiles datasets, detects column types, normalizes rows, and generates KPI cards, trend charts, filters, tables, and automated insights.
- Developed a Python/Pandas analytics engine bridged to an Express/tRPC backend, with non-destructive calculated-column and null-handling transformations for data exploration and chart building.
- Integrated an AI Copilot with Hugging Face Llama 3.1 for dataset-aware Q&A and structured JSON actions; secured sessions with JWT/bcrypt and deployed the Node.js and Python application on Render.

InvenFlow - Inventory Management & Analytics System | React, Node.js, Express, MongoDB, JWT, Recharts
inven-flow-mu.vercel.app/

- Built a full-stack inventory platform with REST APIs for product CRUD, stock movements, orders, notifications, activity logs, and dashboard analytics.
- Designed MongoDB models for users, products, orders, and stock transactions; surfaced KPIs including SKU counts, inventory value, low-stock alerts, and stock-in/out trends.
- Implemented JWT authentication, bcrypt password hashing, role-based access control, validation, protected routes, and security middleware including Helmet, CORS, rate limiting, and request logging.

Enterprise Retail Analytics & AI-Driven Supply Chain Engine | Advanced Excel, SQL, Python, Prophet, Power BI, React, Node.js, MongoDB

- Architected an end-to-end analytics and supply-chain engine moving raw business and financial data through Excel auditing and scenario modeling, a SQL warehouse, Python ML pipelines, a full-stack operations app, and a Power BI executive hub.
- Developed SQL warehouse logic with relational schemas, CTEs, window functions, RFM segmentation, and cohort analysis; designed Power BI star-schema dashboards with DAX measures, dynamic KPIs, and profitability analytics.
- Designed a Python ML layer for automated ETL, Prophet demand forecasting, and multimodal NLP/computer-vision signals, alongside inventory CRUD, role-based workflows, alerts, and interactive charts.

DeepVeritas - Multimodal Misinformation Detection Platform | Python, PyTorch, Pandas, DistilBERT, ResNet-18
huggingface.co/spaces/jwala01/deepveritas

- Prepared text and image datasets and engineered features for transformer-based NLP and CNN-based computer-vision models.
- Designed and evaluated a late-fusion approach to combine text and image predictions for multimodal classification.
- Deployed a Streamlit inference pipeline with approximately 3-5 second response time.

RELEVANT EXPERIENCE

Data Analyst & Machine Learning Developer | Independent Projects | 2025-2026

- Conducted EDA and feature engineering on time-series and multimodal datasets to support forecasting and classification.
- Built SQL/SQLite data models and analyst-facing dashboards to communicate trends, KPIs, and model evaluation results.
- Applied RMSE/MAE to compare forecasting approaches and translated findings into clear business-facing visuals.
- Communicated insights through Power BI, Recharts, and documented project workflows.

CERTIFICATIONS

Data Analysis and Visualization with Python - Microsoft | Python Programming Fundamentals - Microsoft | Foundations of Cybersecurity - Google

EDUCATION

Master of Computer Applications (MCA) | Galgotias University | 2026

Bachelor of Computer Applications (BCA) | University of Lucknow | 2022