

# Abhishek Hiremath

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Bengaluru, India

## Summary

Data and AI enthusiast with hands-on experience in **Data Analysis, Machine Learning, Artificial Intelligence and Natural Language Processing**. Skilled in transforming raw data into actionable insights through Exploratory Data Analysis, dashboards and business-focused analysis. Strong problem-solving mindset to extract insights that support strategic decision-making.

## Projects

### Vendor Performance Analysis | [GitHub](#)

- Designed and implemented an end-to-end vendor analytics pipeline using Python and SQLite.
- Ingested very large dataset and structured raw procurement and sales data into a relational database.
- Performed data cleaning, exploratory data analysis (EDA), feature engineering and vendor-level aggregations to identify performance trends.
- Generated vendor sales summaries and KPIs to evaluate efficiency and contribution.
- Built an interactive Power BI dashboard to visualize vendor performance, top contributors, and KPI's using DAX queries and calculations.
- Enabled data-driven decision-making for vendor evaluation and procurement optimization.

### Customer Shopping Behaviour Analysis | [GitHub](#)

- Analysed 3,900+ customer transaction records to understand purchasing behaviour, subscription impact, and revenue drivers across product categories.
- Cleaned and processed data using Python, performed EDA, engineered customer segments and executed SQL queries in MySQL using JOINS, CTE's, window functions and aggregations.
- Built an interactive Power BI dashboard to visualize insights using DAX queries and calculations.
- Delivered actionable insights that supported subscription growth strategies, loyalty programs, and optimized discount policies, enabling data-driven decision-making.

### Vendor Freight Cost Prediction & Invoice Flagging System | [GitHub](#)

- Developed an end-to-end Machine Learning pipeline to predict vendor freight costs and automatically flag potentially anomalous invoices.
- Performed data preprocessing, feature engineering, and model training using Python, Pandas, and Scikit-learn.
- Built regression and classification models to estimate expected freight charges and detect invoice anomalies.
- Serialized trained models using Joblib and deployed predictions through an interactive Streamlit web application.
- Implemented a structured ML workflow including data preprocessing, model evaluation, and prediction pipeline.

### AI-Driven Analytics Platform | [GitHub](#)

#### Python | Streamlit | Pandas | SQLite | Matplotlib | LLMs

- Built an AI-powered analytics platform that generates data-driven insights, SQL queries, and charts from natural language inputs.
- Added a data-only conversational chatbot with chat memory for contextual business insights.
- Deployed the application on Streamlit Cloud for an always-running, shareable analytics interface.

## Qualification

### B.E in Mechanical Engineering

KLE Technological University,  
Hubballi - 2025

## Technical Skills

- **Languages/ Databases:** Python, SQL, MySQL, PostgreSQL
- **Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Sci-kit learn, TensorFlow, PyTorch.
- **Tools:** Advanced Excel, VBA, Power BI, Tableau, GitHub, VS-Code, Jupyter
- **Other:** SDLC, ETL, Data modelling, Predictive modelling, AWS, Large Language Models, LangChain.

## Soft Skills

Analytical Thinking | Problem Solving | Communication | Team Collaboration | Time Management | Consulting

## Certifications

- Python 101 for Data Science- IBM [|View](#)
- Data Analysis with Python- IBM [|View](#)
- Machine Learning with Python-IBM [|View](#)