

**HUMERA SHAIK**  
+91 7382273550 | humerah610@gmail.com  
[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## Objective:

AI-driven Data Analyst transitioning into Data Science with expertise in Python, machine learning, and interactive dashboards. Experienced in delivering end-to-end analytical solutions across retail, telecom, and healthcare using Scikit-learn, Power BI, and AI copilots. Passionate about building scalable models, uncovering actionable insights, and driving automation through ethical and interpretable AI to create strategic business impact..

## Technical\_Skills:

- **Tools & database:** Excel (Advanced), Power BI, Tableau, SQL (PostgreSQL)
- **Languages, Libraries:** Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn
- **Machine Learning:** Supervised and Unsupervised learning
- **AI Tools:** ChatGPT, Claude.ai, Copilot, Power BI Copilot, Gemini etc.
- **Key competencies:** EDA, Data Preprocessing, Predictive Modeling, hyperparameter tuning, Dashboarding, Prompt Engineering.
- **Soft Skills:** Communication, data Storytelling, Critical Thinking, Creativity, attention to detail.

## EXPERIENCE:

### Data Analyst Intern – Kulturehire (Jan 2025 – Feb 2025)

- Cleaned and standardized large datasets to improve data quality using PostgreSQL.
- Built Excel dashboards and used PostgreSQL for querying, with visualizations in Power BI.

## PROJECTS

### Data analysis and Machine learning Projects

1. **Retail Customer Segmentation & Purchase Prediction:** Applied RFM & K-Means; predicted purchase behavior with 100% accuracy (ROC-AUC =1.0).
2. **Revenue Leak Detection (Retail):** Detected ₹1.02M revenue leaks across 6,000+ transactions; implemented corrective strategies.
3. **AI-Generated Financial Analysis Report:** AI-powered dashboard analyzing 12 companies; insights on profitability & anomalies guiding strategies.
4. **Telecom Customer Churn Prediction:** Random Forest model with 79% accuracy; preserved for deployment.
5. **Dynamic Pricing Model (E-commerce):** Regression-based model, 15% revenue increase, 8% reduction in price volatility.
6. **Diabetes Prediction:** Executed exploratory data analysis on a diabetes dataset, highlighting key predictors (glucose, insulin, BMI) and recommending data augmentation to balance class distribution.

### BI Visualizations projects

7. **Agriculture – Fertilizer Usage Efficiency Analysis:** Forecasting dashboard; 18–22% potential Yield improvement
8. **Video Game Sales Analysis:** Analyzed data for 16,000+ games to identify “Action” as the top-selling genre and PlayStation as the leading platform; implemented sales forecasting visualizations.

**Certifications:**

- AI Tools Workshop – be10x
- Python Certification – Simplilearn
- Prompt Engineering – IBM (Cognitive Class)
- AI-driven Data Analytics – WsCube Tech
- Prompt Design in Vertex AI – Google Cloud (Apr 2025)
- AI-driven Data Analytics (ISO Certified) – Freedom with AI

**Education:**

- B.Tech in Agricultural Engineering – Vikas College of Engineering and Technology, Vijayawada – CGPA: 8.0