Data Analyst/ Business Analyst

YASHWANTH KUMAR

(804) 486 0861 | kotla.yashwanthkumar@gmail.com
https://www.linkedin.com/yashwanthkumarkotla/
https://portfoliosample.com/

Education

MASTER OF SCIENCE IN DATA ANALYTICS – Webster University — Expected June 2026
Majors: Databases and DataWarehouses, Data Visualization, Database Programming, Machine Learning.

BACHELOR IN INFORMATION TECHNOLOGY – Jawaharlal Institute of Technology and Science. — June 2024
Majors:Python, Data Structures and Algorithms, Database Management, Software Development.

Skills

Python
Libraries: pandas, matplotlib, ggplot2, seaborn.

SQL
Software: MySQL, PostgreSQL

Excel
Tools: Pivot Table, Pivot Chart, VLOOKUP, HLOOKUP, VBA

Power Bi
Tools: DAX, API, Power Query

Projects

DATA CAREER INSIGHTS – Personal Project — June 2025

- Analyzed 700K+ job listings using Python to extract top skills, salaries, and trends in the data career landscape
- Implemented **Regex** to parse job descriptions and map skills to roles with **85%+ match accuracy**
- Built **10+ interactive visualizations** (Matplotlib, Seaborn, Plotly) highlighting skills linked to **25–40% salary boosts** and **regional pay gaps**
- Delivered insights to help job seekers identify high-demand roles and employer trends

SALES & INVENTORY OPTIMIZATION – Virtual Client's Project — April 2025

- Used **Python in Jupyter Notebook** to clean, merge, and analyze weekly sales and inventory Excel data.
- Identified key issues and built actionable visualizations to highlight trends and inefficiencies.
- Built visualizations to uncover trends and inefficiencies, helping reduce **excess inventory by 25%** and **stockouts by 30%**.
- Delivered insights through a streamlined, easy-to-use reporting system.

HIGH-DIMENSIONAL TEXT CLASSIFICATION & CLUSTERING – Major Academic Project — March 2024

- Built a machine learning model to classify and cluster high-dimensional restaurant data using **Naive Bayes** and an **enhanced K-Means algorithm**.
- Applied **dimensionality reduction** and **feature selection** to optimize model performance, achieving up to **20% improvement** in precision, recall, and F1-score compared to traditional clustering methods.erformed data cleaning and text analysis to successfully identified the major complaints for each airline
- Used **NLTK, Pandas, Seaborn, and Matplotlib** for text processing, analysis, and visualization.
- Enhanced text classification accuracy while reducing redundancy and improving scalability for real-world datasets.

Certifications

- **Oracle Cloud Infrastructure Foundations** 2021 Certified Associate
- **Tableau**