

HARIKA SUNKARA

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Data Scientist skilled in Python (pandas, scikit-learn), SQL, and Tableau/Excel, with experience in data cleaning, analysis, and building ML models. Aiming to deliver actionable, data-driven insights and predictive solutions.

Technical Skills

Programming & Databases: Python, SQL, Java, MySQL, PostgreSQL, MongoDB

Data Analysis & Machine Learning: Pandas, scikit-learn, TensorFlow, Statistical Modeling, Model Evaluation

Data Visualization & Tools: Matplotlib, Seaborn, Excel, Jupyter Notebook, Google Colab, Azure

Web & Development Technologies: HTML, CSS, JavaScript, Angular, Git, Spring Boot

Education

University of Arizona (UOA), | Tucson, AZ

Jan 2024 – Present

Master of science in information science

GPA: 3.67/4

Relevant coursework: Machine learning, Data analytics

Jeppiaar Srr Engineering College | Chennai, India

Aug 2018 - May 2022

Bachelor of engineering in Electronics and communication engineering

CGPA: 8.43/10

Experience

Data Analyst (ML Projects) | Step Next, Hyderabad

Oct 2022 – Dec 2023

- Collected, cleaned, and analyzed datasets for predictive modeling and business insights.
- Built dashboards and visualizations using Tableau and Excel; optimized SQL queries.
- Developed basic ML models in Python (pandas, scikit-learn) for sales forecasting and customer segmentation.
- Collaborated with teams to provide actionable insights from data.

Key Projects: Sales Forecasting, Customer Segmentation (ML-based)

Projects

Fashion Retail Sales Forecasting (SQL + ML): Designed a SQL schema and cleaned a Kaggle retail dataset to structure sales data. Conducted trend analysis through SQL queries and integrated the results with machine learning models for accurate sales forecasting and visualization.

Data Organization and Analysis: Cleaned and structured datasets using Python and Excel to identify meaningful patterns. Conducted exploratory analysis and presented findings through clear reports and visualizations, ensuring actionable insights.

Database Management Project: Developed a simple SQL database to organize research-related information by designing tables, relationships, and constraints. Executed queries to retrieve and validate data, ensuring consistency and reliability.

Know Your Data – Fatal Police Shooting: Performed statistical analysis and exploratory data analysis (EDA) on the Fatal Police Shooting dataset using Python. Identified demographic and geographic trends and presented results through visual dashboards.

Foodie App (Spring Boot + Angular): Built a full-stack web application with Spring Boot (backend) and Angular (frontend). Implemented RESTful APIs, integrated a database for persistent storage, and focused on responsive design for a seamless user experience.

Certifications

Full Stack Software Engineering (NIIT) | Dec 2022 – Jun 2023 — Built and optimized full-stack web applications using front-end and back-end technologies.

Data Science Prodegree (KPMG) | Mar 2022 – Sep 2022 — Developed data models, performed analysis, and created visualizations using Python, SQL, and ML techniques.