

Hemali Suthar

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[Github](#) [LinkedIn](#)

PROFESSIONAL SUMMARY

I am a data analyst, whose professional interests include everything related to data and business analytics. My skills include Data Engineering (ETL), Data Analytics, and Data Visualizations (Dashboards), Theoretical and practical understanding of business processes and needs. When putting my skills to use, I typically work with R, Python, Power BI, and SQL.

EDUCATION

University of vienna	vienna, at
Masters of science computer science	Mar 2025 - Feb 2027
sardar patel university	anand, india
Bachelor of science computer science	Jun 2021 - May 2024

SKILLS

Programming Languages: Python, C++, Java, C#, JavaScript, R

Frameworks & Libraries: Django, React, Vue js, Power BI

Technical Skills: Python, SQL, Git, java, Docker, Excel

EXPERIENCE

Web Development Intern at Teque7	Bhuj, India, Jan 2024 - Mar 2024
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Developed and maintained dynamic web applications using React and Vue.js, leveraging modern libraries for UI enhancement. Built backend services and APIs with Node.js and PHP, integrating third-party APIs for seamless functionality. Collaborated on full-stack projects, ensuring responsive design, performance optimization, and cross-browser compatibility.

PROJECTS

Business Intelligence & Data Analytics Project on Mercedes-Benz Group AG [Github](#)

Designed and developed interactive Power BI dashboards integrating financial, automotive, and demographic datasets (revenues, stock prices, car sales, COVID impact) to provide actionable insights for investors and stakeholders. Conducted data wrangling and analysis with Python and SQL, leveraging authentic financial reports, Xetra stock data, and external datasets (Kolesa.kz, Craigslist) to assess company performance and market dynamics. Delivered a comprehensive business intelligence report highlighting revenue trends, share price fluctuations, demographic insights, and COVID-19 effects on operations, supporting data-driven decision-making and investment evaluation.

Technologies: Python (Pandas, NumPy, Matplotlib, Seaborn), Power BI, SQL, Excel, Web Scraping (BeautifulSoup, Requests), Kaggle Datasets, Data Visualization & Dashboarding

911 Emergency Calls Data Analysis & Visualization (Capstone Project) [Github](#)

Conducted exploratory data analysis (EDA) on ~99k emergency call records, identifying top zip codes, townships, and common reasons for 911 calls. Engineered new time-based and categorical features (hour, month, day of week, reason) and applied advanced visualizations (Seaborn heatmaps, clustermaps, regression plots) to uncover temporal and spatial patterns. Developed clear, reproducible insights using Python (Pandas, NumPy, Matplotlib, Seaborn), demonstrating data wrangling, feature engineering, and visualization skills applicable to real-world public safety datasets.

Technologies: Python, Pandas, NumPy, Matplotlib, Seaborn, Jupyter. **Algorithms:** Linear Regression, Clustering (Heatmaps/Clustermaps), Time Series Analysis, Feature Engineering

Alzheimer's Disease Prediction Using Brain Scan Images [Github](#)

Preprocessed CT/MRI brain scans of AD, CN, EMCI, LMCI, and MCI patients for deep learning. Built and trained a Convolutional Neural Network (CNN) to classify different stages of Alzheimer's with high accuracy. Achieved ~99% train and test accuracy, demonstrating effective multi-class medical image classification.

Technologies: Tech: Python, OpenCV, NumPy, Matplotlib, TensorFlow, Keras, Jupyter Notebook **Algorithms:** CNN, Image Preprocessing (Grayscale, Normalization, Resizing), One-Hot Encoding, Softmax Classification, Train/Test Split

Online Retail Customer Segmentation Using RFM and Clustering [Github](#)

Preprocessed transactional data from a UK-based online retail, handling missing values, cancellations, and outliers, and engineered RFM features (Recency, Frequency, Monetary). Applied KMeans and DBSCAN clustering algorithms on Recency, Frequency, and Monetary features to segment customers into meaningful clusters. Identified high-value (Platinum/Gold) and low-engagement (Silver/Bronze) customer segments to support targeted marketing and revenue optimization strategies.

Technologies: Tech: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Yellowbrick. **Algorithms:** RFM Analysis, KMeans Clustering, DBSCAN Clustering, Elbow Method, Silhouette Score, StandardScaler for feature normalization

VOLUNTEER EXPERIENCE

business development intern at Jankalyan multipurpose education society

Oct 2023 - Dec 2023