OMAJAY ITKARE

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CAREER OBJECTIVE

To utilize my Python expertise and data analysis skills to contribute to innovative projects in software development or data science, driving impactful solutions and fostering growth through continuous learning and adaptability.

EDUCATION

B.Tech, Electronics and Telecommunication Engineering (ETE) 2022 - 2025
Shri Guru Govind Singh Ji Institute Of Engineering & Technology, Nanded

TRAININGS / CERTIFICATIONS

Deep Learning Mastery: Data-Intensive
Jun 2025
Internshala Trainings, Virtual

NLP Essentials: Applications To Real-World Problems
Jun 2025
Internshala Trainings, Virtual

Data Driven- Machine Learning
Apr 2025 - May 2025
Internshala Trainings, Virtual

Python Data Preparation & Analysis
Mar 2025 - Apr 2025
Internshala Trainings, Virtual

SQL For Data Analysis And Insights
Feb 2025 - Mar 2025
Internshala Trainings, Virtual

Data Visualization With Power BI
Jan 2025 - Feb 2025
Internshala Trainings, Virtual

Data Management And Analysis With MS Excel
Dec 2024 - Jan 2025
Internshala Trainings, Virtual

Introduction To Data Analytics
Dec 2024
Internshala Trainings, Virtual

Python Programming
Jun 2023 - Aug 2023
Naresh IT, Hyderabad, Virtual

PROJECTS

Smart Pricing & Retention: Data-Driven Solutions for Airbnb and Telecom Industries ↗
Apr 2025 - Jun 2025
Predicting Airbnb Listing Prices- Collected and prepared data from Airbnb listings, engineered new features, and implemented regression techniques to develop a predictive model for estimating property prices. Also, utilized python libraries (Pandas, NumPy, Scikit-learn) for data manipulation, feature engineering, and model evaluation. Customer Churn Prediction in Telecom Industry- Built a classification model to predict customer churn using machine learning algorithms like Logistic Regression, Decision Trees, and Random Forests. and conducted exploratory data analysis (EDA), and evaluated model performance with accuracy, precision, and recall metrics."

Text Intelligence: Sentiment Analysis of IMDb Reviews and News Article Classification ↗
Jun 2025
Sentiment Analysis of IMDb Movie Reviews- Conducted sentiment analysis on IMDb reviews by preprocessing text (tokenization, stopword removal, stemming) and extracting features using TF-IDF and Word2Vec. I then trained and evaluated classification models to predict review sentiment with high accuracy. News Article Classification - In this project, I classified news articles into categories like sports, politics, and technology using a news data category dataset. The process involved scraping news articles, preprocessing the text (such as removing stop words and tokenization), extracting features from the text, and building classification models to accurately categorize the articles into their respective topics.

Electric Vehicles Market Size Analysis ↗

Apr 2025

I have analyzed datasets related to electric vehicles (EVs), focusing on uncovering meaningful insights and providing actionable recommendations. I filtered EVs based on budget and range criteria, grouped them by manufacturer, and calculated average battery capacities. To identify patterns, I visualized the relationship between battery capacity and range and detected outliers in energy consumption. Additionally, I developed an EV recommendation system in Python that allows users to input their budget, desired range, and battery capacity to find the best matches. Using hypothesis testing, I compared the engine power of Tesla and Audi vehicles, drawing insights that informed strategic recommendations.

Airline Performance Analysis using Power BI ↗

Jan 2025 - Feb 2025

Transformed and cleaned airline datasets in Power Query, standardizing the data for visualization and analysis. I created DAX measures to analyze passenger bookings, ticket statuses, and flight performance metrics. I built interactive dashboards with compact visuals for flight operations and customer insights. Additionally, I configured relationships, slicers, and drill-throughs, enabling dynamic analysis and real-time reporting via Power BI Service.

J.P. Morgan classification of legal documents ↗

Dec 2024

Automated classification of legal documents using CRISP-DM, saving 360,000+ hours annually. I developed a machine learning pipeline to identify patterns in 150+ attributes of credit contracts. This reduced errors in loan servicing and accelerated document review, enhancing operational efficiency. I documented the whole product life cycle of the analytics project, aligning with strategic automation goals.

Walmart's Retail insights optimization ↗

Feb 2025 - Mar 2025

Analyzed sales growth, customer segmentation, and product performance using advanced MySQL queries. I identified top-performing branches, profitable product lines, and anomalies in sales transactions to improve strategies. I segmented customers into spending tiers, identified repeat buyers, and analyzed payment preferences by city. I delivered actionable insights through SQL-driven analysis, enhancing decision-making with clear visualizations and reports.

KPMG data analysis with Excel

Dec 2024 - Jan 2025

Cleaned and standardized customer, transaction, and demographic data, ensuring consistency and accuracy for analysis. I conducted segmentation by wealth, gender, and industry, identifying key customer groups and behavioral trends. I analyzed sales trends, product performance, and customer purchase patterns, providing actionable insights into revenue drivers. Additionally, I estimated potential revenue and calculated customer lifetime value (CLV) to highlight high-value customer segments.

SKILLS

- Python
- Problem Solving
- Effective Communication
- Pandas
- C Programming
- MS-Excel
- Power BI
- C++ Programming
- SQL
- NumPy

EXTRA CURRICULAR ACTIVITIES

- Management Committee Member, Utsav Cultural Event
  As a member of the management committee for "Utsav," a cultural event at SGGSIE&T, Nanded.

  Organizer, Industrial Visit to ISRO and Bangalore-Mysore
  In my third year, I co-organized an industrial visit to ISRO (Indian Space Research Organisation) in Bangalore under the Guidance of our HOD. I managed all necessary permissions and logistics for the trip, providing valuable insights into

ADDITIONAL DETAILS

- Completed a Python course at Naresh IT, Hyderabad. I managed the an industrial visit to ISRO in college. I worked on machine learning and data science projects using Kaggle datasets. Passionate about Python, data science,