OMAJAY ITKARE

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Professional Summary

A results-driven and detail-oriented final-year B.Tech student in Electronics and Telecommunication with a strong foundation in Python programming, data analysis, and machine learning. Experienced in transforming raw data into actionable insights through projects involving SQL, Excel, Power BI, and predictive modeling. Adept at using tools like Pandas, NumPy, Scikit-learn, and Seaborn for exploratory data analysis, and applying statistical techniques and machine learning algorithms to solve real-world problems. Demonstrated ability to manage data pipelines, build analytical dashboards, and communicate findings effectively. Passionate about leveraging data to drive strategic decisions and continuously learning emerging technologies in AI and data science.

Education

Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded, Maharashtra
Bachelor of Technology (B.Tech)
Electronics & Telecommunication (Graduated 2025)

Technical Skills

Python (NumPy, Pandas), C++, C, SQL, Advanced Excel, Machine Learning, Power BI
Soft Skills: Problem Solving, Communication, Leadership, Time Management

Certification

1. **Python Programming** – NARESH IT, Hyderabad. (06/2023 - 08/2023) -- View
2. **Introduction to Data Analytics course -** Internshala Training. (DEC 2024) -- View
3. **Data Management and Analysis with MS Excel -** Internshala Training. (JAN 2025) -- View
4. **Data Visualization with Power BI-** Internshala Training. (FEB 2025) -- View
5. **SQL for Data Analysis and Insights Training -** Internshala Training. (FEB 2025) – View
6. **Python Data Preparation & Analysis Training -** Internshala Training (MAR 2025) – View
7. **Data Driven- Machine Learning Training -** Internshala Training (APR 2025) – View
8. **NLP Essentials_ Applications to Real-World Problems Training -** Internshala Training (MAY 2025) -- View
9. **Deep Learning Mastery_ Data-Intensive Training -** Internshala Training (JUNE 2025) -- View

Projects

1. **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.

2. **KPMG data analysis with MS 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.

3. **Exploratory Data Analysis (EDA)**
   Conducted in-depth exploratory data analysis (EDA) on the Titanic dataset to uncover survival trends based on demographic and socioeconomic factors like age, gender, and passenger class. Cleaned the dataset by addressing missing values in key columns such as Age and Cabin, and performed feature engineering to derive new insights (e.g., family size). Used Seaborn and Matplotlib to create visually engaging charts such as bar plots, heatmaps, and pie charts to highlight survival patterns. Discovered critical trends, such as the higher survival rate for female passengers and first-class passengers, and documented actionable conclusions.

4. **Walmart Retail Insights Optimization (SQL)**
   Analyzed Walmart's retail data using advanced MySQL queries to uncover performance trends across branches and product categories. Identified top-performing branches, segmented customers based on spending behavior, and detected anomalies in transactions. Delivered actionable insights through SQL-driven analysis to support strategic decision-making.

5. **Smart Pricing & Churn Prediction (Python, ML)**
   Developed end-to-end machine learning models for two real-world scenarios: Airbnb pricing prediction and telecom customer churn. Applied data preprocessing and feature engineering techniques to build regression models for estimating Airbnb listing prices. For churn prediction, used classification algorithms like Logistic Regression, Decision Trees, and Random Forests to identify customers likely to leave. Evaluated model performance using metrics such as accuracy, precision, and recall.

Professional Development

Internshala **Training** Data Science Course (Dec 2024 – Jun 2025)
A Comprehensive course covering data analytics, Excel, Power BI, SQL, Python, machine learning, NLP, and deep learning techniques.

Date: 01/07/2025