

THANDRA SIVA KUMAR

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Carrer Objective

Detail-oriented Data Analyst with 3+ years of experience in extracting insights from complex datasets to drive business decisions. Skilled in Python, SQL, Power BI, and machine learning techniques with a strong foundation in statistical analysis and data modeling. Proven success in delivering high-impact dashboards, predictive models, and process automation. Passionate about using data to solve real-world problems. Actively enhancing skills in cloud platforms and AI-powered tools to stay aligned with modern analytics trends..

Education

American University of Malta

English for Academic purposes; High Intermediate Level

Jan 2024 – May 2024

Bormla , Malta

KL University

Bachelor of Technology - Computer Science and engineering; CGPA: 7.47

July 2018 – march 2022

Guntur, Andhra Pradesh

Technical Skills

Programing Languages: Python (NumPy, Pandas, Matplotlib, Scikit-Learn), SQL, HTML, CSS.

Visualization Tools: Matplotlib, Seaborn, Power BI, Tableau.

Tools IDEs: Jupyter Notebook, Anaconda, Spyder.

Machine Learning: Classification, Regression, Clustering, PyTorch, TensorFlow.

Database/ETL: MySQL, Data Wrangling, Data Cleaning.

Cloud Others: Git, GitHub, Google Colab, Excel, APIs (Basic), Linux.

Professional Experience

Senior Data Analyst

Sun Bio IT Solutions

May 2023 – Present

Remote

- Built and deployed machine learning models using Python for sales forecasting and customer segmentation.
- Automated business reporting with Power BI, reducing manual work by 40
- Enhanced data pipelines using SQL and ensured data validation for clean reporting.
- Used Data IQ and R to analyze patterns and mitigate revenue degrowth.
- Collaborated with marketing teams for A/B testing and churn analysis.

Data Analyst

Sun Bio IT Sollutions

May 2022 – May 2023

Bangalore

- Conducted ETL development and analysis for internal dashboards.
- Created Power BI and Tableau reports to support real-time decision-making.
- Executed SQL queries to uncover key insights and trends from transactional data.
- Performed statistical testing and contributed to improved campaign targeting.

Project name: Rolling a Dice Simulator

- Developed a computer-based dice simulator using Python/Java/JavaScript.
- Implemented a random number generator to simulate dice rolls, generating values between 1 and 6.
- Designed the program as a console-based or GUI application based on user preference.
- Incorporated a loop mechanism to allow users to roll the dice multiple times.
- Enhanced user interactivity by displaying the dice face corresponding to the rolled number.
- Utilized programming concepts such as loops, functions, and randomization.
- Ensured smooth execution and accuracy by handling edge cases and optimizing performance.

Projects

Customer Churn Prediction Model

- **Objective:** Built a machine learning model to predict customer churn and identify key risk factors.
- **Implementation:** Collected and processed customer transaction and behavior data. Applied predictive analytics using Python (Pandas, Scikit-Learn) to develop a churn prediction model. Integrated findings into a Power BI dashboard to visualize high-risk customers and suggest retention strategies.
- **Outcome:** Achieved a 92 accuracy rate in churn prediction, leading to a 15 reduction in customer attrition through targeted retention campaigns.

Sales Performance Dashboard

- * **Objective:** Developed an interactive Power BI dashboard to track sales performance across multiple regions and products.
- * **Implementation:** Extracted and cleaned sales data using SQL and Python. Designed dynamic visualizations using Power BI to monitor key sales metrics such as revenue, profit margins, and customer acquisition trends. Automated data refresh processes for real-time insights.
- * **Outcome:** Enhanced reporting efficiency by 40, reducing manual effort and enabling stakeholders to make faster, data-driven decisions.

Certifications

- Accenture - Data Analytics and Visualization
- Quantum - Data Analysis Job Simulation
- JP Morgan Chase Co - Excel
- simplilearn - SQL
- NASSCOM FOUNDATION(CISSCO) - HTML CSS