

NAVEEN A PINGLAY

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Technical Skills

Languages and DataBases: Python, Pandas, Numpy, SQL, MySQL, MSSQL

Visualization Tools: Power BI

Other Skills: Advanced Excel, Business Analysis, Data Analysis, Microsoft Office

Experience/Projects

L&T Technology Services

Jan 2024– Apr 2024

Intern

Bengaluru, India

- Enhanced safety and overall performance of autonomous vehicles by 20 % through the development and implementation of a Dynamic Occupancy Grid Map using a sophisticated probabilistic approach, ensuring quality and accuracy of the generated data.
- Optimized decision-making efficiency by 15% by integrating the Dempster-Shafer Theory in AI systems. This approach refined the accuracy of decision processes and contributed to more effective autonomous vehicle operations.
- Contributed to project improvement and operational excellence by conducting root cause analysis and validating data to ensure compliance with specific guidelines.

E-commerce Customer Segmentation using K-means Clustering

May 2024 – June 2024

Link : <https://github.com/NAPPing475/Zidio-Internship---Customer-Segmentation-Project-1>

- **Tools technologies used:** Python, Data Analytics, K-means Clustering, NumPy, Pandas, Matplotlib
- Categorized 5,000 customers using K-means clustering, leading to a 30% increase in marketing effectiveness. Identified 4 unique customer segments for targeted marketing.
- Executed a customer segmentation project, resulting in a 15% reduction in manual effort; Analyzed data trends and patterns to generate insights that could be translated into actionable rules.

Car Price Prediction using Linear Regression

Aug 2022 -November 2022

- **Tools technologies used:** Python, NumPy, Pandas, Scikit-learn
- Developed a linear regression model predicting car prices within a 5% error margin, analyzing mileage, age, brand, and condition.
- Integrated insights from data-driven models to optimize predictions for real-world applications in the automotive sector.
- Implemented cross-validation techniques to ensure model robustness and reduce overfitting, improving the model's generalizability to unseen data by 10%

Personal Projects/Awards & Achievements

Warehouse Sales Analysis: Interactive Power BI Dashboard

June 2024 - July 2024

Link : <https://github.com/NAPPing475/Warehouse-Retail-Sales-Analysis---PBI>

Power BI, Data Cleaning and Data Modelling

- Leveraged advanced analytical techniques to unearth valuable insights from warehouse sales data, empowering stakeholders with actionable information.
- Developed interactive dashboards with KPI cards and various chart types to facilitate easy interpretation and informed decision-making for enhancing operational efficiency.
- Utilized DAX functions to derive specific performance metrics, enabling a detailed examination of sales data by item description, item type, supplier, and month, driving informed strategic actions.

Education

PES University

Dec 2020 - June 2024

B Tech in Mechanical Engineering

Bengaluru, Karnataka

(Minors in Computer Science and Engineering)