Tallapalem Prudhvi Sai

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SUMMARY

A passionate student of computer science seeking to apply academic knowledge and real-world experience to projects in an organization. Eager to learn new skills, collaborate with others, and contribute through creative problem-solving and continuous learning.

EDUCATION

Computer science and engineering

Saveetha School of Engineering, Saveetha University • Chennai • 2022 - 2026

SKILLS

Languages: Python, R, SQL

Technical Skills: Machine Learning, Data Visualization, Automation, SEO Optimization

Tools: Power BI, Excel, Google Analytics

Soft Skills: Adaptability, Work Ethic, Time Management, Empathy

PROJECT

Safety stock exchange to optimize inventory costs

drive.google.com/drive/u/1/folders/1fP3JALu37v6QrWuOxC2jTR8-TSgP-sP- • July 2025 - September 2025

- Implemented optimized safety stock strategies to balance inventory cost reduction with high service-level performance.
- Integrated demand forecasting, demand variability analysis, and data-driven optimization techniques.
- Built predictive analytics–powered safety stock exchange system to dynamically optimize inventory costs while maintaining optimal service levels.

MolecuQ

github.com/prudhvisai8/MolecuQ1.git • January 2025 - March 2025

- Quantum Machine Learning for Pharmacological Simulation drives pharmaceutical innovation by delivering a mobile platform that integrates molecular, protein, pharmacological, and toxicological data with quantum-enhanced computational methodologies.
- This program redefines medicinal chemistry and drug development by enabling faster, more accurate, and data-driven discovery workflows.
- MolecuQ pioneers the fusion of quantum machine learning techniques with large-scale pharmacological datasets, accelerating drug discovery pipelines and increasing the precision of molecular and pharmacokinetic simulations.

Retail sales – Demo

github.com/prudhvisai8/Retail_sales.git • November 2024 - December 2024

- Created and analyzed a retail sales dataset of 1,000 simulated transactions using Power BI and Excel, focusing on data cleansing, transformation, and visualization to uncover sales trends and customer behavior.
- Designed and delivered dynamic dashboards and interactive reports highlighting key performance metrics such as total revenue and product category performance to enable data-driven decision-making.
- Performed exploratory data analysis (EDA) to identify correlations in retail purchasing behavior, enhancing insights into sales distribution across age groups, gender, and product mix.

Currency Exchange rate prediction

github.com/prudhvisai8/Currency_Exchange_rate_prediction.git • July 2023 - September 2023

- A forecasting model that uses historical data and potentially economic indicators to project future values of a currency exchange rate making use of machine learning models.

CERTIFICATIONS

Google Analytics Certification

Google skill shop • 2025

Oracle infrastructure AI foundations associate

Oracle • 2025

Python Course

Geeks for Geeks • 2025

The complete MySQL bootcamp

Udemy • 2024