MOHANRAJ.V

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OBJECTIVE

Aspiring analyst and front-end developer with expertise in machine learning, data science, and web development. Seeking opportunities to leverage analytical and technical skills to drive innovation and insights in the field of AI and data science.

EDUCATION

B. Tech. Computer Science and Business Systems, Rajalakshmi Institute of Technology, Chennai. Expected 2026
CGPA- 8.42/10
Senior Secondary, St. Mary's mat. Hr. Sec school, Porur, Chennai, Grade – 91% Year of passing – 2022

SKILLS

Programming languages - Javascript,Python,Java
Web development - HTML, CSS, JavaScript.
Databases - MySQL
Data Visualization: Power BI, Matplotlib
Machine Learning Tools: Pandas, NumPy, Scikit-learn.
Software Tools: Canva, MS Office, Power BI, SAP

EXPERIENCE

Data Analyst Intern, Aftermarket Department, ZF Group, Chennai September 2024 – April 2025

- Developed a Power BI dashboard for product-wise performance analysis using last year's and current year's sales data, reducing report generation time by 40% and enabling quicker insights for Field Sales Representatives (FSRs).
- Conducted Material Requirement Planning (MRP) analysis, implementing six Machine Learning (ML) algorithms and ensembling the results, improving forecasting accuracy by 25% and optimizing inventory turnover rate.
- Performed external data collection and EDA on 25+ external factors affecting sales, created a correlation matrix to identify high-impact variables, and provided insights contributing to a 5% increase in sales efficiency.
- Created a profitability dashboard for the Chassis Control team, enabling real-time financial tracking. The dashboard provides insights into which product group is highly profitable and helps prioritize strategies.
- Implemented mail automation in the Collection Dashboard for the Finance team, which prepares a monthly collection plan and automatically notifies FSRs via email, improving collection efficiency and follow-up processes.

PROJECTS

- **Identification of Ayurvedic Medicinal Plants (Smart India Hackathon 2023)**
  Description: Developed a system for identifying Ayurvedic medicinal plants using image processing and NLP.
  Technologies: Python, CNN, TensorFlow.
- **Brain Tumor Classification (Data Science Centre, March 2024)**
  Description: Built a deep learning model for classifying tumors from MRI with an 85% accuracy.
  Technologies: Python, TensorFlow,CNN.
- **NLP for Tamil (Kanitamil Hackathon, February 2024)**
  Description: Designed NLP models for text classification, sentiment analysis, and translation. Achieved 90% accuracy in text classification tasks. Reached the finals and showcased the project among the top participants.
  Technologies: Python, NLTK,SVM model.
- **Web development:** Guess the number game, Daily task planner, Project flow tracker, VogueVault.

CERTIFICATIONS

- **Data Science and ML-** Data Science Course (Simplilearn.), Machine Learning Course (GUVI.), Introduction to R Programming (Great Learning.)
- **Programming** - Python Course (GUVI.), Python Data Structures (Great Learning.) ,Front-End Development (Meta.)