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VISHAL VINOD KUMAR

Address: No.10 ,Bharathi Street,West Gandhinagar.Avadi Chennai, 600054

PROFESSIONAL SUMMARY

Master's student in Computer Science with 1 year of industry experience, adapt at quickly learning new technologies and delivering high-quality code. Skilled in developing efficient, data-driven solutions, with a strong focus on data science and software development.

TECHNICAL SKILLS

- Excel
- C/C++
- MongoDB
- PowerBI
- Python
- SQL

PROFESSIONAL EXPERIENCE

Miebach Consulting India Pvt Ltd - Associate Consultant   **Jun 2023 - Jun 2024**

Project 1: Demand forecasting Machine Learning - Wipro

Roles and Responsibilities:
Data cleaning: Conducted data cleaning to ensure compatibility for import and visualization.
Dashboard Design: Designed the layout and framework of the dashboard to effectively convey key metrics and insights.
Visualization Development: Developed new measures, to enrich the dashboard's functionality.
Demand forecasting: Demand forecasting models (XGBoost, Arima, SES, DES, TES) in python with brand level model selection resulting in improvement in forecast accuracy from 73% to 90%.

Project 2: MHE Traffic Simulation - SEAT Cars

Model Development: Designed and constructed a model aligned with the plant's operational processes. Conducted debugging process to ensure seamless flow of goods and MHEs. Performance Evaluation: Analyzed outcomes to pinpoint bottlenecks, particularly deadlocks in MHE routes, due to projected increase in production. Scenario Analysis: Presented strategic solutions to optimize efficiency, including recommendations for widening corridor width , MHEs, and the establishment of new pathways to facilitate smooth material movement in anticipation of future demands.

Caterpillar - Supply Chain Analytics Intern   Jun 2025 - Present

Supported the lead in developing the Sales and Operations Planning processes and inventory governance processes. Developing dashboards using Power BI to draw insights from a large amount of data. Automating data pull, data cleansing, and report generation activities using Microsoft VBA scripting.

CERTIFICATIONS

- AWS Partner: Cloud Economics Accreditation
- AWS Cloud Technical Essentials
- AWS Partner: Accreditation (Technical)
- Python Programming and Data Exploration in Python -NIIT

EDUCATION & CERTIFICATIONS

Masters in Technology   **August 2024 - Present**
Amrita Vishwa Vidyapeetham
Computer Science Engineering, Current CGPA: 8.45

Bachelor of Technology   **July 2019 - May 2023**
SRM Institute of Science and Technology, Ramapuram
Computer Science Engineering , CGPA : 9.2

EXTRA CURRICULAR ACTIVITIES

- Puzzle Solving
- Reading
- Sports - Football and Badminton

LANGUAGES KNOWN

- English (Professional working proficiency)
- Hindi (Professional working proficiency)
- Malayalam (Native proficiency)