

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
- Power BI
- Python
- SQL

PROFESSIONAL EXPERIENCE

Working as an Associate Consultant at Miebach Consulting Pvt Ltd, Bangalore

Jun 2023 - Jun 2024

Project 1: Full Plant Simulation - Bentley

Roles and Responsibilities:

Model Development: Conceptualized and constructed a robust model based on client data and available resources. Executed debugging processes to guarantee flawless operation of the model.

Performance Evaluation: Conducted thorough analysis of throughput outcomes, identifying primary bottlenecks such as worker utilization and station count within the plant, resulting in bottlenecks and processing limitations.

Sensitivity Analysis: Formulated alternative scenarios to address identified challenges, aiming to optimize efficiency. Implemented the optimal infrastructure requirements, including assembly lines, truck loading, and storage.

Project 2: MHE Traffic Simulation - SEAT Cars

Roles and Responsibilities:

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.

Project 3: Building dashboard in Power BI/ Demand forecasting - 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%.

EDUCATION & CERTIFICATIONS

Masters in Technology August 2024 - Present

Amrita Vishwa Vidyapeetham  
Computer Science Engineering, Curretn 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)