

Aparna P V

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EDUCATION

Datamites Global Training Institute

Certified Data Science Course

Bangalore, Karnataka

Graduation Date: 2024

Mangalore University

M.Sc (Physics)

Mangalore, Karnataka

Graduation Date: 2023

PROJECT EXPERIENCE

Rubixe

Bangalore, India

Client Project: Spare Parts Inventory Forecasting

- Spearheaded an inventory optimization project for spare parts forecasting across multiple service centers, balancing market demand with cost minimization. Identified inefficiencies in parts availability despite high inventory costs.
- Leveraged advanced visualization techniques for comprehensive exploratory data analysis (EDA). Implemented and compared **ARIMA**, **SARIMA**, and **PROPHET** time series models for three high-demand parts. This approach optimized inventory costs and parts accessibility, enabling efficient resource distribution.
- Implemented Just In Time (**JIT**) standards, allowing service centers to meet client demands without excess inventory. Established protocols for regular model updates and market condition monitoring to ensure continued efficacy.
- Implemented a weekly aggregation system for the most serviced vehicle's spare parts, enabling accurate future requirement forecasting.

Rubixe

Bangalore, India

Targeted Campaign for Bank TD

- Developed a **Python** model to predict high propensity customer for term deposit purchase for a Portuguese bank. The lifecycle included data extraction, preprocessing, feature engineering, modeling and hyperparameter tuning.
- Multiple ML models were tested out, including Linear Regression, Random Forest, SVM etc, but on performance analysis, **XGBoost** model was finalised.
- Decile analysis was done to create effective marketing strategy, it showed **70%** capture rate in the top **30%** of the population.

WORK EXPERIENCE

Rubixe

Bangalore, India

Data Science Intern

Jan 2024 - Jul 2024

- During the internship, I was in charge of developing various data science projects and Client Assignments in **Python**.
- The projects ranged from using traditional Machine Learning models like **Random Forest**, **XGBoost**, etc to create solutions for Targeted Campaign strategies, insurance claim predictions to using advanced algorithms like **CNN**, **LSTM**, **ARIMA**, etc to create image classification solutions, inventory forecasting and Real Time activity classification.
- At the end of the Internship, received an excellency completion certificate from the CEO of the company.

PORTFOLIO

Internship Certificate: [Data Science Internship](#) , [GitHub](#) : [Projects](#)

SKILLS & INTERESTS

Skills: Python, SQL, Scikit-Learn, Excel, Tensorflow, MySQL, matplotlib, AWS, Git, PySpark, Tableau, Power BI

ML Algorithms: Linear Regression, Logistic Regression, Decision Trees, Random Forrest, XGBoost, CNN, LSTM, Neural Networks, SVM, KNN, FBProphet, ARIMA, SARIMA