

# Ittyavira C Abraham

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## Objective

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Motivated and fast-learning MCA student with a strong foundation in computer science and artificial intelligence, seeking to apply my skills in AI and machine learning to real-world challenges. Passionate about developing intelligent solutions using modern ML techniques and eager to contribute to innovative projects while continuously enhancing my technical expertise and understanding of advanced AI systems.

## Skills and Certifications

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• **AI & MACHINE LEARNING** - PANDAS, NUMPY, MATPLOTLIB, SEABORN, TENSORFLOW, PYTORCH, OPENCV, NLP

• **CLOUD TECHNOLOGIES** - GOOGLE CLOUD PLATFORM, MICROSOFT AZURE

• **PROGRAMMING** - PYTHON

• **Certifications** -  
Generative AI Engineering with LLMs  
Specialization by IBM, Microsoft AI & ML  
Engineering

## Professional Experience

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**AI/ML Intern, Edunet Foundations**

04/2025 – 05/2025

- Learned and applied concepts like Supervised/Unsupervised Learning, Computer Vision, and Generative AI using Azure.
- Participated in masterclasses conducted by industry experts.
- Developed a project under mentorship, demonstrating understanding of AI-based real-world problem solving.

## Projects

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### Car Price Prediction and Classification using Machine Learning

- Built regression models (Linear, Random Forest, SVR) to predict car prices using real-world Indian datasets.
- Applied classification algorithms (Logistic Regression, SVM) to categorize cars based on brand and fuel type.
- Implemented PCA for dimensionality reduction and KMeans for clustering to uncover data patterns.
- Evaluated models using RMSE,  $R^2$ , and accuracy metrics, with visual insights via confusion matrices and feature importance charts.

### Predicting Safety Stocks using Machine Learning

- Developed a machine learning model to forecast safety stock levels using algorithms such as Linear Regression, XGBoost, SARIMA, and LSTM.
- Leveraged historical demand and lead time data to optimize inventory levels, reduce stockouts and overstock, and improve overall supply chain efficiency.
- Improved prediction accuracy by 12% using XGBoost over baseline model.

## Education

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**MASTER OF COMPUTER APPLICATIONS WITH ARTIFICIAL INTELLIGENCE,**

2023 – 2025

*Amrita Vishwa Vidyapeetham (AMRITA AHEAD)*

**BACHELOR OF COMPUTER APPLICATIONS, IFIM COLLEGE**

2019 – 2023