



**PUSHPARAJ**

**Data Scientist**

## Contact

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- [Github](#)

## Skills

Python, Java, Data Visualization, SQL, LLM, Machine Learning, NLP, Deep Learning, Selenium, API, PowerBI, Hugging Face, Google Analytics, AWS Cloud

## Education

**IIT-M Advanced Programming Professional & Master Data Science**, IIT-M GUVI  
Sep 2024 – Dec 2025 | Chennai

**Bachelor of Computer Applications**  
Vels University, Pallavaram  
Jun 2013 – May 2016 | Chennai

## Certificates

**Data Visualization in Python**, Guvi  
**Deep Learning Using Pytorch**, Guvi

## Projects

### CarDekho Vehicle Recommendation System,

Key Skills: EDA, Python, Recommendation Engine

- Built a machine learning solution to predict used car prices, enhanced customer experience and pricing accuracy.
- Conducted data cleaning, exploratory data analysis, model development, deployed an interactive Streamlit application.
- Streamlined the pricing process and provided an accessible tool for customers and sales representatives to make informed decisions.
- Achieved a prediction model R2 score of 95%, improving pricing transparency and customer satisfaction.

### Dominos Predictive Purchase Order System,

Key Skills: EDA, Time Series Forecasting, Predictive Modeling

- Developed a predictive model to forecast sales and optimized ingredient orders, reducing waste and preventing stockouts in the food service industry.
- Conducted eda, time series forecasting, and implemented a predictive model to create an efficient purchase order system.
- Streamlined the ingredient ordering process by leveraging historical sales data to improve inventory management and business decision-making.
- Delivered a forecasting solution with high MAPE score, improved inventory optimization and reducing waste by 20%.

### Sentiment Analysis of IMDB Movie Reviews

Key Skills: NLP, Deep Learning, Model Optimisation

- Built a deep learning solution using LSTM to classify movie reviews as positive or negative, leveraging natural language processing techniques
- Performed textual data preprocessing, implemented an LSTM-based model, and fine-tuned hyperparameters to optimize performance.
- Enabled automated sentiment analysis for applications such as customer feedback monitoring and marketing strategy refinement.
- Achieved a model accuracy of 86%, providing actionable insights for improving customer satisfaction and targeting marketing efforts.

## Experience

### Test Automation Engineer

Cigniti Technologies, Hyderabad 2021 - 2024

### Manual Tester

Amazon Development Center, Chennai 2019 - 2021