

Aryan Paresh Patel

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY

Bachelor of Technology, Computer Science & Engineering

Cumulative GPA: 8.85

Bhopal, Madhya Pradesh

Expected September 2026

KOKILABEN DHIRUBHAI AMBANI RELIANCE FOUNDATION SCHOOL

Higher Secondary Schooling (12th Standard)

Percentage: 75%

Jamnagar, Gujarat

March 2022

KOKILABEN DHIRUBHAI AMBANI RELIANCE FOUNDATION SCHOOL

Secondary Schooling (10th Standard)

Percentage: 89.6%

Jamnagar, Gujarat

March 2020

TECHNICAL SKILLS

Programming Languages: C++, Python

Databases: MySQL, MongoDB

Tools & Others: Git & GitHub, Excel, Power BI

WORK EXPERIENCE

JIO Platforms Ltd. ([Certificate](#))

Data Analyst Intern

Mumbai, India

Sept 2024 – Nov 2024

- Developed a sales forecasting model for an apparel dataset (January 2022 - March 2024) to predict daily sales for March 2024.
- Conducted extensive exploratory data analysis (EDA) to identify key sales trends and patterns, including the **"weekend effect"** and **"seasonal spikes"** during Indian festive months and March clearance sales.
- Engineered predictive features such as Day, Month, Day of Week, and various moving averages (3, 7, and 30-day) to enhance model accuracy.
- Implemented and evaluated a **SARIMAX (Seasonal Autoregressive Integrated Moving Average with exogenous variables)** model, which demonstrated satisfactory performance in capturing temporal trends and sales spikes.
- Analyzed the model's coefficients, confirming a strong positive correlation between sales and **Day of Week** and **Previous Day's Sales**.
- Identified a key limitation of the model—a consistent tendency to underpredict sales, particularly on weekdays, providing a clear area for future improvement.

PROJECTS

VOYAGE VISTA ([GitHub Link](#))

- Engineered a full-stack travel platform using the MERN stack (MongoDB, Express.js, React, Node.js), delivering a 100% mobile-responsive interface tested across desktop, tablet, and mobile devices.
- Designed RESTful APIs with Node.js and Express.js to support full CRUD operations, managing 50+ tour listings, hotel itineraries, and community reviews.
- Implemented advanced interactive features including location-based search and filters, AI-powered chatbot, personalized recommendation engine, and review system, reducing search time and improving user engagement significantly.
- Integrated secure user authentication and authorization using JWT (JSON Web Tokens), safeguarding all user sessions and ensuring secure sign-up/login processes.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

CAPTAIN, INTER-COLLEGE FOOTBALL TOURNAMENT

Feb 2025

- Led an 18-member team to a silver medal; designed training drills that improved team passing accuracy by **25%**.
- Coordinated with coaches to schedule matches and analyze opponent strategies, contributing to a **10% increase in win rate**.

CERTIFICATES

- [Cloud Computing – NPTEL](#)
- [Marketing Analysis – NPTEL](#)