Aryan Paresh Patel

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY　　　　　　　　　　　　　Bhopal, Madhya Pradesh
Bachelor of Technology, Computer Science & Engineering　　　　　　Expected September 2026
Cumulative GPA: 8.85

KOKILABEN DHIRUBHAI AMBANI RELIANCE FOUDATION SCHOOL　　　Jamnagar, Gujarat
Higher Secondary Schooling (12th Standard)　　　　　　　　　　　　　March 2022
Percentage: 75%

KOKILABEN DHIRUBHAI AMBANI RELIANCE FOUDATION SCHOOL　　　Jamnagar, Gujarat
Secondary Schooling (10th Standard)　　　　　　　　　　　　　　　　March 2020
Percentage: 89.6%

TECHNICAL SKILLS

Programming Languages: C++, Python
Databases: MySQL, MongoDB
Tools & Others: Git & GitHub, Excel, Power BI

WORK EXPERIENCE

JIO Platforms Ltd. (Certificate)　　　　　　　　　　　　　　　　Mumbai, India
Data Analyst Intern　　　　　　　　　　　　　　　　　　　　　　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
- Designed and built a full-stack web application using the **MERN stack** (MongoDB, Express.js, React, Node.js) for hotel discovery and listing.
- Created **RESTful APIs** on the backend with Node.js and Express.js, enabling **full CRUD (Create, Read, Update, Delete)** operations for managing hotel listings and user-submitted content.
- Developed an interactive and responsive user interface with **React** and **HTML5/CSS3**, featuring **MapBox integration** for hotel location visualization.
- Implemented robust **user authentication and authorization** using **Passport.js**, securing user data and managing all login and sign-up functionalities.

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