Aryan Paresh Patel

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY   Bhopal, Madhya Pradesh
Bachelor of Technology   Expected September 2026
      Major in Computer Science
      Cumulative GPA: 8.78/10.0

KOKILABEN DHIRUBHAI AMBANI RELIANCE FOUDATION SCHOOL   Jamnagar, Gujarat
Higher Secondary Schooling (12th Standard)   March 2022
      Science Group A
      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
Web Development: HTML, CSS, MongoDB, Express, React, Node.js (MERN Stack)
Tools & Others: Git & GitHub
Core Subjects: Data Structures & Algorithms, Operating System, Database Management System

WORK EXPERIENCE

JIO Platforms Ltd. (Certificate)   Mumbai, India
Data Analyst Intern   Sept 2024 – Nov 2024
- Analyzed over **820 days of sales data (Jan 2022 – Mar 2024)** to uncover patterns in sales influenced by **seasonality, weekends, and promotional cycles**, leading to significant feature engineering for time-series modeling.
- Built and evaluated a **SARIMAX model** incorporating **7+ engineered features** (e.g., month, day of week, 7-day and 30-day moving averages), achieving a high correlation between predicted and actual weekend sales spikes.
- Reduced sales forecasting error during weekends by **~15%** compared to baseline models by leveraging **ordinal encoding** for day-of-week and incorporating lag-based sales data.
- Identified underestimation trends in weekday sales through error analysis and proposed improvements to enhance **forecast reliability and business decision-making**.

UNIVERSITY PROJECTS

VOYAGE VISTA
- Designed and deployed a **hotel discovery & listing platform**, enabling over **5+ unique hotel searches per session** with **MapBox-integrated interactive UI**, improving user exploration and engagement
- Implemented **secure user authentication (Passport.js)**, managing login/signup flows and safeguarding user data—achieving **100% account creation and login coverage** during beta testing.
- Developed full CRUD capabilities for hotel listings with **Node.js + Express backend** and **MongoDB**, handling an average of **200+ listing records** and supporting owner-driven content addition.
- Optimized front-end responsiveness using **EJS, HTML5/CSS3**, reducing page load times by **~30%** and ensuring consistent UX across desktop and mobile browsers.

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**.

GOLD MEDALIST, INTER-BRANCH CRICKET TOURNMENT   Feb 2024
- Spearheaded team strategy as opening batsman, scoring **150+ runs** in the tournament finals.
- Mentored Junior players, resulting in 3 new selections for the Inter-Branch Tournament.

CERTIFICATES

Certifications & Training: The Bits and Bytes of Computer Networking - Google ; Cloud Computing – NPTEL ; Simulink Onramp - MATLAB ; Marketing Analysis – NPTEL