

# Aryan Paresh Patel

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## EDUCATION

### VELLORE INSTITUTE OF TECHNOLOGY

Bachelor of Technology

Major in Computer Science

Cumulative GPA: 8.8/10.0

Bhopal, Madhya Pradesh

Expected September 2026

### KOKILABEN DHIRUBHAI AMBANI RELIANCE FOUNDATION SCHOOL

Higher Secondary Schooling (12<sup>th</sup> Standard)

Science Group A

Percentage: 75%

Jamnagar, Gujarat

March 2022

### KOKILABEN DHIRUBHAI AMBANI RELIANCE FOUNDATION SCHOOL

Secondary Schooling (10<sup>th</sup> Standard)

Percentage: 89.6%

Jamnagar, Gujarat

March 2020

## 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](#))

Data Analyst Intern

Mumbai, India

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 TOURNAMENT

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](#)