# 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, JavaScript
**Databases:** MySQL, MongoDB
**Tools & Others:** Git & GitHub
**Frameworks & Libraries:** React, Express.js, Node.js

## WORK EXPERIENCE

**JIO Platforms Ltd. (Certificate)** — Mumbai, India
Data Analyst Intern — Sept 2024 – Nov 2024
- Implemented a sales forecasting model for an apparel dataset (January 2022 - March 2024) to predict daily sales for March 2024.
- Mined a database of 800+ data points and pinpointed the top three drivers of customer churn, influencing the development of personalized retention strategies and bolstering customer lifetime value.
- 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, achieving **accuracy of 85%.**

## PROJECTS

**VOYAGE VISTA (GitHub Link) | (MongoDB, Express.js, React.js, Node.js, Python)**
- Engineered a full-stack travel platform using the MERN stack, delivering a 100% mobile-responsive interface that refined page load speed by **40%** and achieved a Lighthouse performance score of **92**.
- Designed and documented **30+** RESTful APIs to support full CRUD operations, managing over **500** data entries for tour listings and hotel itineraries while maintaining an average API response time of under **200ms**.
- Advanced an AI-powered chatbot capable of handling 20+ common user intents and a personalized recommendation engine, automating initial user support and creating a tailored content discovery experience
- Built a robust authentication system using JWT, achieving 95%-unit test coverage for all auth services to ensure a reliable and secure sign-up/login process.

**THE DAILY COMPASS (GitHub Link) | (MongoDB, Express.js, React.js, Node.js, GenAI)**
- Developed a MERN-stack blog platform with a rich text editor and real-time previews, implementing full CRUD operations for a database of over 200 articles.
- Leveraged the Google Gemini API to introduce 2 core AI features: 1-click article generation and automatic content summarization, automating key parts of the content lifecycle.
- Streamlined media workflows by integrating the ImageKit API, automating image optimization to reduce average file sizes by over 85% through real-time format conversion to WebP/AVIF.
- This process improved content-rich page load times and decreased the Largest Contentful Paint (LCP) metric by an estimated 30%.

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

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

## CERTIFICATES

- OCI AI Foundations
- OCI Generative AI