

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, JavaScript

Databases: MySQL, MongoDB

Tools & Others: Git & GitHub

Frameworks & Libraries: React, Express.js, Node.js

WORK EXPERIENCE

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

Data Analyst Intern

Mumbai, India

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](#)