Ashil Patel



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SKILLS SUMMARY

Programming Languages: JavaScript, TypeScript, Java, C++, C

• Development: React.js, Express.js, RabbitMQ, Nginx, REST API, Websocket(Socket.io),

MongoDB, GSAP, Tailwind CSS, Micro-services,

Tools and technology: Git & GitHub, AWS(EC2, S3 using SSH), Postman, VS Code

Experience

Webintegratorz Technology

Sep 2025 - present

- Architected and deployed a multi-role Workflow Management System (Admin, Master, and Tailor dashboards) with secure role-based authentication, real-time cloth allocation tracking, and scalable data modeling to streamline operations.
- Implemented a fanout architecture using RabbitMQ to power reliable email delivery, background job processing, and event-driven workflows, ensuring fault tolerance and high throughput. Built a feature-rich E-commerce module with product management, inventory updates, order tracking, and secure payment integrations, optimized for responsiveness and performance.

Flowall Water Pump Company [Admin] [Reward]

June 2025 - July 2025

Full Stack | Scalable | Socket.IO | OAuth | MongoDB | Idempotent APIs | GSAP Animations

- Architected and deployed a scalable, QR Code-based Reward Redemption Platform, enabling users to scan unique QR codes, submit personal and payment details, and receive cashback. Implemented single-use, Idempotent QR tokens to enforce secure, one-time reward redemption and prevent abuse or duplication.
- Created a fully-featured Admin Panel to monitor user entries in real time, with protected login (JWT & Google OAuth), reward status toggle (YES/NO), pagination, and charts for profession & reward analytics
- Integrated Socket.IO for real-time updates between users and the admin panel without page refreshes. Designed dynamic GSAP-based celebration animations on reward redemption and maintained responsive UI with dark/light theme toggle using ThemeContext.

ICPC- International Collegiate Programming Contest.(Team Member)

Sep 2022

- The 2021 ICPC Asia Amritapuri First Round Online Programming Contest.
 - Secured Rank 1762 out of 4992.

PROJECTS

Ride-hailing Application [MERN Stack- Monolithic Arch.] [Live Link (Mobile View)]

- I have developed a full-stack ride-hailing application using the MERN stack (MongoDB, Express.js, React.js, Node.js), designed to emulate the core functionalities of services like Uber.
- The frontend is built with React and Vite, styled using Tailwind CSS, and incorporates Google Maps for live tracking and Socket.IO for real-time notifications.
- The backend is powered by Express, utilizing MongoDB with Mongoose for data management, and features RESTful APIs to handle user authentication, ride management, and map services.

• Microservices Architecture (Ride-hailing Application) [Backend]

- I have developed a microservices-based ride-hailing application using Node.js and Express, structured into four distinct services: User, Ride, Captain, and API Gateway.
- Each service operates independently, communicating through RabbitMQ to ensure modularity and scalability.
- The Gateway service functions as an API gateway, managing request routing and authentication, while the User and Captain services handle user profiles and driver management, respectively. The Ride service oversees ride creation, tracking, and status updates.

Zentry Clone [Frontend]

- Built using React.js and Tailwind CSS, the site offers a fully responsive layout complemented by seamless animations powered by GSAP, ensuring an engaging user experience across devices.
- The website provides an engaging user interface with modern design elements, optimized for both desktop and mobile devices.

EDUCATION

Institute of Advanced Research, Gandhinagar

Sep 2020 - May 2024

Bachelor of Technology Information and Communication Technology Engineering. GPA: 7.9

Edunova Science Higher Secondary School , Ahmedabad

Aug 2017 - Apr 2019

HSC(Intermediate, 12th-Science(PCM)) Percentage: - 70%

JEE(Intermediate, 12th): Secured 90 percentile in the 2019 JEE examination.