

Rohan Akode

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Education

Indian Institute of Technology, Bhubaneswar

B.Tech in Computer Science and Engineering

2020 – 2024

CGPA: 7.78/10.0

- **Relevant Coursework:** Computer Networks, Operating Systems, Networks and Systems Security, High Performance Computer Architecture, Cloud Computing.

Experience

Cafe Chai Nasta - Freelance Project

June 2024 – Aug 2024

- Led the design and development of standalone applications using React.js within a Turborepo monorepo setup, building a consistent digital ecosystem that enhanced customer experience.
- Conducted in-depth analysis of client needs and estimated infrastructure and development efforts to meet those needs within a constrained budget.
- Focused on high-impact solutions by utilizing continuous feedback and usage data, delivering customer-focused products with minimal cost.
- Achieved **82%** 5-star reviews and an overall rating of **4.3** for customer experience through a reliable and accessible digital infrastructure.

Academic Projects

FlowCatalyst - Automation Platform (Founder & Lead Engineer)

Nov 2024 – Aug 2025

[GitHub Repo](#)

- **TECH-STACK:** Node.js, Next.js, PostgreSQL, Kafka, Redis, Docker, Kubernetes, Azure, Turborepo, OAuth 2.0, Together AI, GitHub Webhooks
- Designed and launched FlowCatalyst, a distributed no-code automation platform enabling dynamic integration of third-party APIs and services through scalable event-driven workflows.
- Built a microservices architecture using Node.js, Python, Kafka, and PostgreSQL, achieving high concurrency, low latency p99 < 300ms for workflow execution, and fault-tolerant recovery.
- Integrated an AI-powered chatbot leveraging Together AI to allow users to create complex workflows through natural language prompts, increasing workflow creation rate by 3x.
- Engineered extensible trigger-action pipelines supporting LinkedIn Jobs API, Email API, and GitHub Webhooks, with robust error handling, idempotency, and dynamic scheduling using cron-based orchestration.
- Deployed containerized microservices with Docker and orchestrated them using Kubernetes on Azure, ensuring scalability, seamless rolling updates, and self-healing recovery.

EZCart - Curated Shopping Experience

July 2023 – Oct 2023

[Live Website](#) [GitHub Repo](#)

- **TECH-STACK:** MongoDB, Express.js, React.js, Node.js, REST API, TailwindCSS
- Designed and implemented a contemporary web application that prioritizes an intuitive product display and a streamlined shopping process.
- Leveraged the capabilities of the MERN stack to deliver interactive and dynamic content, enhancing user engagement.
- Integrated Stripe payment gateway for secure and reliable checkout flow.
- Built persistent cart and order management system, allowing users to save carts and track order history seamlessly.
- Focused on accessibility and cross-browser compatibility to ensure that the application is inclusive and user-friendly.
- Utilized Tailwind CSS for rapid and customizable styling, creating an elegant and responsive user interface.

Skills

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

Web Development: HTML5, CSS3, Tailwind, React.js, Next.js, Node.js, Express.js, REST API

Databases: MongoDB, MySQL, PL/SQL, PostgreSQL

Tools & Technologies: Docker, Kubernetes (K8), Git, Kafka, Redis, Prisma