

SHYAM RAM PATNALA

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EDUCATION

IIT Hyderabad

2020 - 2024

Bachelor of Technology in Chemical Engineering

Computer Science Electives: Data Structures and Algorithms (C++), Object-Oriented Programming, Operating Systems, Database Management Systems, Machine Learning

EXPERIENCE

Tek Avinya

May 2025 - July 2025

Full Stack Engineer | Freelance

- Collaborated with a team to architect and develop an AI SaaS platform (**themoreai.com**) using **Node.js** and **React**, optimizing **Gemini API** integration with **Redis** caching reducing response times and cutting API usage costs.
- Integrated **Razorpay** payment gateway for user transactions and implemented a **MongoDB** filtering system for querying movies by genre, timeline, and duration.
- Worked closely with DevOps Engineer and assisted in configuring and deploying the application on **AWS EC2** instances with Nginx reverse proxy, setting up email notifications via **Amazon SES**, achieving over **98%** email delivery success.
- Implemented a combination of automated unit and integration tests using Jest and Postman alongside manual testing process, covering 50+ edge cases with Jira-managed test plans to ensure application stability and quality before launch.

Hibbert Consulting Pvt Ltd

June 2024 - March 2025

Full Stack Developer | Worked for Red Hibbert Group (Salesforce Marketing Cloud consulting)

- Developed and optimized a production Marketing Campaign Management Application serving thousands of users, enabling teams to plan and track multi-client campaigns.
- Implemented Single Sign-On (SSO) login on top of existing **JWT**-based systems reducing login issues and to facilitate seamless switching across portals, maintaining OAuth 2.0 for SFMC API access.
- Implemented lazy loading and code-splitting in **React**, reducing initial load times by up to **30%**, enhancing user experience when handling large marketing datasets.
- Integrated **Socket.io** on frontend connecting multiple backend systems (Node.js) to provide instant campaign task updates, improving team collaboration.
- Gained valuable experience and good understanding of **PostgreSQL** database optimizing techniques to speed up data retrieval.
- Refactored the existing codebase by migrating legacy **SOAP API** integrations to REST APIs understanding SFMC Postman collections for accurate migration.
- Participated actively in code reviews, sprint planning, and documentation to ensure high code quality.

TECHNICAL SKILLS

- **Languages & Frameworks:** C++, JavaScript, React.js, Node.js, Express.js, Next.js (Basics), Python, TypeScript, SQL
- **Databases & Tools:** PostgreSQL, MongoDB, MySQL, AWS (EC2, SES), Jenkins (Basics), Docker (Basics), Git, Postman, Jest, Tailwind CSS, Material-UI
- **Other:** API Integration, Payment Gateway (Razorpay), Manual & Automated Testing, Agile/Scrum Methodologies

PROJECTS

AI Writing Assistant | React, Privy, OpenAI API, Express

[Link](#)

- Created an AI-powered writing assistant with grammar correction and rephrasing using React, Express, and OpenAI's API, featuring secure user authentication and Ethereum wallet integration via Privy.

Interactive Social Media Platform | React, PostgreSQL, Supabase, Tailwind CSS, TypeScript, Jest

[Link](#)

- Built a full-stack social media platform with secure GitHub authentication, nested commenting, real-time post creation with image uploads, and a glassmorphism UI using React, PostgreSQL, Supabase, and Tailwind CSS.

ACHIEVEMENTS

- Architected and successfully launched the MoreAI movie recommendation platform on time with no critical bugs.
- Secured AIR 11375 in JEE Advanced and 5374 in JEE mains out of 1.4 million Students appeared.