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

- Colloborated 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 from 2-3 seconds to around 500ms under heavy load.
- Integrated **Razorpay** payment gateway for user transactions and set up email notifications via **Amazon SES**, achieving over **98%** email delivery success.
- Assited in configuring and deploying the application on **AWS EC2** instances with Nginx reverse proxy, implementing a MongoDB-based filtering system for querying movies by genre, timeline, and duration.
- 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 enhanced a production Marketing Campaign Management Dashboard serving 5K+ active users, enabling teams to plan, execute, and track multi-client campaigns using React.js and Node.js.
- Implemented lazy loading and code-splitting in **React**, reducing dashboard page load times by up to **40%**, enhancing user experience when handling large marketing datasets.
- Designed **JWT**-based authentication with Single Sign-On (SSO) for internal users, cutting login-related support tickets by **30%**, complementing OAuth 2.0 for SFMC API access.
- Optimized **PostgreSQL** queries and schema to speed up analytics data retrieval and visualization.
- Integrated real-time notifications with **Socket.io** to provide instant campaign task updates, improving team collaboration and accelerating campaign delivery cycles.
- Refactored legacy **SOAP API** integrations to REST APIs leveraging SFMC Postman collections for accurate migration.
- Participated actively in code reviews, sprint planning, and documentation to ensure high code quality and smooth releases.

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 2225 in JEE Advanced and 5374 in JEE mains out of 1.4 million Students appeared.