

# SHYAM RAM PATNALA

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## EDUCATION

### IIT Hyderabad

Aug 2019 - Nov 2023

Bachelor of Technology in Chemical Engineering

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

## EXPERIENCE

### Tek Avinya | themoreai.com

May 2025 - present

Full Stack Engineer | Freelance

- Developed and Architected an AI SaaS Platform using Node.js and React, integrating **Gemini API**, implemented **Razorpay payments** and **MongoDB** filtering for efficient querying.
- Collaborated with DevOps to deploy the app on **AWS EC2**, set up **Amazon SES** for 98%+ email delivery success, and authored comprehensive Jest/Postman tests covering 50+ edge cases for a stable, scalable launch.

### Hibbert Consulting Pvt Ltd

Jan 2024 - March 2025

Full Stack Developer

- Developed and optimized a production Marketing Campaign Management Application enabling teams to plan and track multi-client campaigns via **React** frontend and **Node.js/Nest.js** backend.
- Implemented **SSO** login on top of existing **JWT**-based systems reducing login issues and to facilitate seamless switching across portals, maintaining OAuth 2.0 flows.
- Developed and maintained modular React.js components for interactive charts, form handling, and dynamic data rendering.
- Integrated **Socket.io** on frontend connecting multiple backend systems to provide instant campaign task updates, improving team collaboration.
- Optimized backend data flows using **PostgreSQL**, **Redis** and **Click House** reducing API latency by 4s through **caching strategies** and **query optimization**.
- Refactored the existing codebase by migrating legacy SOAP API integrations to REST APIs understanding Salesforce Postman collections for accurate migration.

### Taiyari Karlo

May 2022 - July 2022

Software Developer Intern

- Developed UI components for a mobile app achieving over 450,000 downloads on playstore and 80,000 monthly active users using **React Native**.
- Built **AWS Lambda APIs** for **MongoDB** data management and integrated **Raygun** for error reporting and **99sms** for shipping.

## TECHNICAL SKILLS

- Languages & Frameworks:** C++, JavaScript, React.js, Node.js, Express.js, Next.js, Python (FastAPI), TypeScript, SQL
- Databases & Tools:** PostgreSQL, MongoDB, MySQL, AWS (EC2, SES), Jenkins (Basics), Docker (Basics), Git, Postman, Jest, Tailwind CSS, Material-UI

## PROJECTS

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

- 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.

### FitTrackPro | Next.js, Fast API, JWT Authentication, SQLite, Bootstrap, Uvicorn

- Created a modern full-stack workout tracker application with JWT-based user authentication, featuring a Next.js 14 frontend, FastAPI RESTful backend, SQLite database, and efficient management of workouts and routines.

## 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.