

Varun Poshetty

Hyderabad, India

varunposhetty@gmail.com | +91 8523008555 | [LinkedIn](#) | [GitHub](#)

Professional Summary

Information Technology undergraduate with hands-on experience in architecting scalable full-stack applications using the MERN stack. Possesses a strong foundation in backend architecture, REST API development, authentication systems, asynchronous processing, and database schema design. Focused on building secure, modular, and production-ready systems with clean coding practices.

Technical Skills

- **Languages:** JavaScript, Python
- **Frontend:** React.js, HTML, CSS, Bootstrap
- **Backend:** Node.js, Express.js, RESTful APIs, JWT-based authentication
- **Databases:** MongoDB, MySQL, Redis
- **Tools:** Git, GitHub, Postman, Prisma ORM
- **Concepts:** Asynchronous Processing, Role-Based Access Control (RBAC), API Security, Database Schema Design

Projects

Scalable Notification Delivery System

Node.js — Express — Prisma — Redis — BullMQ — React

- Engineered an asynchronous notification platform using Redis and BullMQ to support scalable background job execution.
- Architected a worker-based execution layer to decouple API requests from notification delivery operations.
- Integrated a retry strategy with exponential backoff to enhance system reliability.
- Constructed RESTful services and monitoring dashboards to manage notification lifecycles and delivery metrics.

Role-Based E-commerce Platform

MERN Stack — JWT — Stripe

- Architected a role-based e-commerce application with protected backend endpoints.
- Secured APIs using JWT-based authentication and middleware-driven authorization controls.
- Integrated the Stripe payment gateway to enable secure transaction workflows.
- Structured scalable MongoDB schemas to optimize product and order data management.

Budget Buddy – Personal Finance Tracker

React.js — Node.js — Express.js — MongoDB

- Developed a full-stack personal finance tracking application for managing income, expenses, and budgets.
- Engineered modular RESTful APIs to process financial records and generate monthly summaries.
- Applied JWT-based authentication along with secure password hashing mechanisms.
- Designed responsive dashboards to visualize financial insights and spending analytics.

Education

Bachelor of Technology in Information Technology CMR College of Engineering and Technology, Hyderabad	2022 – 2026
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Intermediate Education Narayana Junior College Score: 755 / 1000	2020 – 2022
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Secondary School Education Sri Chaitanya High School CGPA: 10 / 10	2019 – 2020
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Leadership

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- Student Council Member, CMR College of Engineering and Technology (2022 – 2025)
 - Student Leader, Samskruthi Foundation (2024 – 2025)