MAYUR K SETTY

LinkedIn | Portfolio | Github | LeetCode |HackerRank | Hashnode

SUMMARY
Full-stack engineer (MERN) focused on production web systems: secure payments, booking flows, and applied LLM features. Hands-on with Node.js/Express, React (Vite), MongoDB, Razorpay, GitHub Actions, Docker, and vector-store RAG patterns. Seeking internship roles in product or backend engineering.

TECHNICAL SKILLS
Languages: Python[Advanced], Java[Intermediate], JavaScript (ES6+)
Frontend: React (Vite), Tailwind CSS, Three.js, NextJS
Backend & APIs: Node.js, Express, REST design, JWT auth, WebSockets (basic)
Datastores: MongoDB, SQL, Astra DB (vector embeddings)
Payments & Integrations: Razorpay, Paypal, Cloudinary, EmailJS, NodeMailer, Multer
DevOps & Tooling: Git, GitHub Actions (CI), Docker, Vercel / Render (deploys)
AI & Embeddings: Gemini API, embeddings, RAG patterns
Other: React Native (Expo), Redux, Framer Motion, Bcrypt, Puppeteer, , ChakraUI, Material UI

SELECTED PROJECTS
Attacus & Psyche - NightWalk Booking System · GitHub · Live   **Jun 2025 – Present**
• Designed and implemented a payments microservice (Node/Express) integrating Razorpay with idempotent endpoints and server-side validation to guarantee transactional safety.
• Built a JWT auth + role-based admin dashboard (React + Tailwind) to manage bookings, refunds and user messages; deployed as Docker containers to Render.
• Optimized booking flow with client optimistic updates and server retry logic — reduced booking completion time by 70% (before → after) and improved payment success reliability via logging and retries.
• Established CI/CD pipeline (GitHub Actions) that runs lint → tests → build → staged Docker deploy; added automated PR checks for linting and basic unit tests.

Byte-2-Bite - AI Recipe Generator · GitHub · Live   **Aug 2025 – Present**
• Used puppeteer script to scrape data from webpages → Gemini embedding model chunks and stores in vector DB.
•Built a React (Vite) frontend and Node/Express backend implementing a RAG pipeline: user ingredients → embeddings (Astra DB) → Gemini API prompts → return tailored recipe variants per request.
• Implemented caching of embeddings and request rate-limiting to reduce LLM calls and control API costs; added retry/backoff logic for model reliability.
• Deployed frontend on Vercel and backend on Render; documented reproducible RAG pipeline, enabling new contributors to onboard in <1hr; Unit and integration testing were completed using Postman.

OTHER WORK & OPEN SOURCE
• Contributed to fixing issues on the new SugarLabs website. (PRs: #67, #57, #36)
• Contributed code and documentation to GirlScript Summer of Code projects (PRs: #186, #345, #143, #198).
• Other projects worth checking out: TerraQuest, Portfolio

EDUCATION
Kalvium UG program at RV University - BCA (Hons) in software product engineering   **2024–28**

CERTIFICATIONS
- **HackerRank:** Frontend Developer(React), SQL(Basic), REST API(Intermediate), Python(Basic), Problem Solving(Basic), CSS(Basic)
- **FreeCodeCamp:** Backend Development and API
- **Microsoft Learn:** Fundamentals AI Concepts, Azure AI Fundamentals, Fundamentals of Azure AI services
- **Other:** Postman API fundamentals Student Expert, Docker for absolute beginners (KodeKloud),

ACHIEVEMENTS & LEADERSHIP
• **1st** Place — Codeverse Challenge (Google Developer Groups, RVU)
• **2nd** Place — Campus LeetCode Challenge (RVU)
• Participant — Prompt Repo Hackathon (Gemini API)
• Campus roles: Communication Chair, Head of IT, Head of Photography & Documentation and Core Member at The Green Alliance RVU, Core Member / Lighthouse at Kreators Club
• Class Representative (2024–25)
• Recipient of RV University Merit Scholarship Graduated first year with CGPA: 9.77/10 and SGPA: 10.0/10.0 (Link)