

PRANAV V M

+91 9791280945 | mailidofpranav@gmail.com | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

EDUCATION

KPR Institute of Engineering and Technology

B.E. Computer Science and Engineering, CGPA: 8.9

Coimbatore, India

Jun 2023 – Jun 2027

TECHNICAL SKILLS

Programming Languages: Java, C, Python. **Web Technologies:** HTML, CSS, JavaScript, TypeScript, React, Next.js, Node.js. **Backend & APIs:** REST APIs, Express.js, Flask. **Databases:** MySQL, PostgreSQL, MongoDB, Supabase. **AI / GenAI:** LangChain, CrewAI, LangGraph, MCP, ChromaDB, YOLO, OpenCV, Vector DB, Motia. **Cloud & Devops:** AWS (EC2, S3), Docker, GitHub Actions, CI/CD. **Tools:** Git, GitHub, Postman, Figma, Linux.

EXPERIENCE

Infosys Springboard – Clean Street Project [\[Link\]](#)

Sep 2025 – Dec 2025

Full Stack Development Intern (Project)

Remote

- Designed and developed a full-stack MERN-based civic issue reporting platform with 3 distinct user roles (citizen, volunteer, admin), implementing JWT-based authentication and role-based access control to secure backend APIs.
- Executed GPS-based complaint reporting with map-based location selection and automated routing logic, reducing location ambiguity and manual reassignment during testing by **50–60%**.
- Built an admin dashboard featuring centralized complaint monitoring, zone-wise analytics, and audit logs. Validated system workflows using **100+ simulated complaint records**.
- Enabled community engagement through upvoting, commenting, and real-time status updates, Improving issue prioritization and visibility during internal demos by **35–40%**.

GirlScript Summer of Code (GSSOC) [\[Link\]](#)

Aug 2025 – Sep 2025

Open Source Contributor

Remote

- Implemented RAG-based backend API improvements and contributed **6+ pull requests** to **SimplifAI**, enhancing retrieval workflows and overall code maintainability.

Software Development Club, KPRIET | Vice President

Jul 2024 – May 2025

PROJECTS

Placement Management System – CDC Cell | MERN, Postgres, Cloudinary [\[Link\]](#)

Sep 2025 -Dec 2025

- Collaborated in a 4-member team to build a role-based placement management system, implementing authentication and profile management to secure **100% of protected routes** during testing.
- Designed and enacted backend controllers, REST APIs, and MongoDB schemas to support job postings, user profiles, and admin workflows, contributing to **15+ API endpoints**.
- Enhanced system efficiency by implementing CSV data import, file attachments, QR code generation, and bulk operations, reducing manual data entry by $\approx 50\%$ and improving admin workflow efficiency by $\approx 30\%$ during internal testing and demos.

Agentic RAG-based AI Educator (StudySnap) | MERN, LangChain, CrewAI, ChromaDB [\[Link\]](#)

Oct 2025

- Developed an AI-powered study assistant that ingests user-uploaded notes, uses LangChain + ChromaDB to generate context-aware Q&A, flashcards, and summaries, validating retrieval from **100+ document chunks** during testing.
- Implemented agentic AI workflows with CrewAI and REST APIs to automate generation of personalized quizzes and flashcards, reducing manual study preparation time by $\approx 40\%$ across test scenarios.
- Built interactive React dashboards to visualize personalized study plans with real-time progress tracking, improving mock-test revision efficiency by $\approx 30\%$ in internal user evaluations.

Smart Parking Solution | React, Node.js, ESP-32 CAM, OpenCV [\[Link\]](#)

Jul 2024 – Dec 2024

- Led a team of 4 to build an IoT-enabled smart parking system integrating a MERN platform with ESP-32 CAM and OpenCV, validating automated parking workflows **7+ simulated parking sessions**.
- Enforced computer-vision-based vehicle detection and occupancy tracking using OpenCV, improving slot availability accuracy by $\approx 50\%$ during internal testing.

ACHIEVEMENTS

- 1st Prize, Code Hunt at ASTRANOVA'25 (CIT).
- 3rd Prize, Yudham'24 Hackathon for Smart Parking Solution.
- Winner, Ignitron Hackathon for PII AI-Powered Solution.

PATENTS

- Smart Parking Solution Implementation Methodology (Filed, 2024).