

INIYAN V

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2nd-year Computer Science student at Rajalakshmi Engineering College (CGPA: 8.15) | Smart India Hackathon 2025 Winner | Full-Stack Developer specializing in FastAPI, React, and cloud-native architectures

SUMMARY

Computer Science student with strong skills in FastAPI, React, and full-stack development. Experienced in building web applications, AI-powered tools, and scalable backend systems. Strong problem-solving ability proven through hackathons, technical projects, and team collaboration. Eager to contribute to software development roles with practical skills and a learning mindset.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C/C++, Go

Frameworks & Libraries: React, React Native, FastAPI, Flask, LangChain, LangGraph, SQLAlchemy, Beanie, NextJS, GSAP

Databases: MongoDB, PostgreSQL, Redis, Supabase

DevOps & Tools: Git, GitHub, Docker, Linux, VS Code, REST APIs, GitHub Actions, Azure

Concepts: RAG Pipeline, LLM Integration, Microservices, CI/CD, Agile, OOP, Data Structures & Algorithms, Cryptography, Cybersecurity

PROJECTS

Kick – Coding Agent

Jun 2026

<https://github.com/in1yan/kick>

- Built a lightweight autonomous coding agent using Pydantic AI capable of reading, writing, and editing code directly within a project workspace.
- Implemented core file-system tool-calling for the LLM, including read, write, edit, ls, grep, glob, and bash execution, enabling the agent to navigate and modify codebases autonomously.
- Designed multi-provider model support (Gemini, Groq, and others) with configurable API keys and models, plus both single-prompt and multi-turn conversational modes.
- Packaged and published the tool as an installable CLI (uv tool install kick-agent), enabling one-command setup and usage.

Tech Stack: Python, Pydantic AI, uv, LLM APIs (Gemini, Groq)

Private OTT Streaming Platform | DEVS Technical Society

Dec 2025 – Present

- Architected a full-stack private video streaming service for 1000+ students at Rajalakshmi College, hosting 20+ original short films produced by the college film club.
- Designed RESTful API endpoints, OAuth 2.0 based authentication, and a responsive React frontend with adaptive video playback support.

Tech Stack: FastAPI, React, MongoDB, Beanie

Vendor & Food Stall Management Platform

Nov 2025

- Delivered a backend-heavy platform tracking 30+ vendors, stalls, and inventory records for a Hotel Management University's operational workflows.
- Authored scalable REST APIs and relational database schemas covering vendor onboarding, stock management, and reporting modules.

Tech Stack: FastAPI, React, PostgreSQL (Supabase)

Hop – Keyboard-Driven Window Switcher

Sep 2025

<https://github.com/in1yan/hop>

- Released a lightweight Windows productivity utility enabling instant application switching in under 100 ms using global keyboard shortcuts and visual hint overlays.
- Implemented acrylic blur UI, customizable theming, and a background service consuming under 70 MB of RAM at idle.

Tech Stack: Go, Wails, React

Red Wheels – Web Comics Reader

Jun 2024

<https://github.com/in1yan/Red-Wheel>

- Launched a cross-platform mobile app for free web-comics browsing with access to 100+ chapters across multiple titles via a custom REST API backend.
- Shipped 3 versioned releases within 2 months, incorporating user feedback and achieving feature parity with leading open-source comic readers.

Tech Stack: React Native, FastAPI

KEY ACHIEVEMENTS

- Smart India Hackathon 2025 Winner – Engineered a cost-efficient, IoT-enabled cotton-picking machine for small and marginal farmers; selected among top teams from 100,000+ participants across India.
- Winner – DevFest App Development Contest – Shipped 3 React Native mobile applications (social media, task manager, and utility app) within a 24-hour competition window.
- Runner-Up – Root@localhost CTF – Placed 10th out of 50+ teams, solving challenges across web exploitation, cryptography, and Linux system security.

EXPERIENCE

Intern IIT Tirupati Navavishkar I-Hub Foundation (GNSS Division)	Jun 2026 – Jul 2026
● Worked on mesh communication protocols using LoRa, contributing to research and development within the GNSS Division.	
Technical Member DEVS Technical Society	Sep 2025 – Present
● Collaborating on full-stack web and mobile projects within a 30+ member developer club using Agile workflows and weekly sprint reviews. ● Co-led delivery of the OTT platform, coordinating across design, backend, and frontend sub-teams.	

EDUCATION

Rajalakshmi Engineering College		Expected May 2028
B.E. – Computer Science and Engineering (2nd Year)	CGPA: 8.07	
Kingston Metric Higher Secondary School		Mar 2023 – May 2024
Higher Secondary Examination (Class XII)	92%	