

SIDDHESH AGARWAL

Software Development Engineer

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Portfolio | **GitHub** | **LinkedIn** | **Blog**

EDUCATION

Sri Krishna College of Engineering and Technology
Computer Science and Engineering | Bachelor of Engineering

Coimbatore, India
Nov 2021 - May 2025

EXPERIENCE

RipeHouse Advisory | Contract

Remote | Feb 2025 - Present

- Worked on creating a CRM system for property management using MongoDB, Express.js, React.js, Node.js, Supabase and AWS S3.

HyperVerge | Data Engineer Intern

Bengaluru | July 2024 - Jan 2025

- **Prepared and fine-tuned multiple LLMs** for specific and general field-extraction use cases by **extracting, cleaning and structuring data**.
- **Developed an LLM-based error-tagging pipeline** using OpenAI and Python, automating the process to reduce time by 97%.

SKILLS

Programming Languages	Python, JavaScript, TypeScript, PHP, Golang, C/C++, Java.
Frontend	React.js, React Native, Next.js, TailwindCSS, Bootstrap, MUI, ShadCN.
Backend	FastAPI, Django, Flask, Express.js, Node.js, Laravel, Gin.
Databases	PostgreSQL, MySQL, Redis, MongoDB, Elasticsearch, Neo4j.
ML / Gen AI	Scikit-Learn, TensorFlow, Keras, HuggingFace, Transformers, LangChain.
Tools / Platforms	Git, GitHub, Docker, Linux, AWS, Cloudflare, Vercel.

PROJECTS / OPEN-SOURCE

Newsful | GitHub

FastAPI, MongoDB, OpenAI

- An advanced fake news detection system leveraging Agentic LLM packaged as a browser extension.
- Uses a back-end API written in FastAPI with a caching system via MongoDB.

uploadid | GitHub | Live

Next.js, Supabase

- A Web app for colleges/universities to track faculty participation and achievements.
- Made using Next 14, TypeScript, ShadCN UI, Tailwind CSS, Drizzle ORM, Zod, Clerk Auth.

Movies API | GitHub

Golang, Mux, Gorm

- A Movies CRUD API with Gorilla Mux routers and Gorm with SQLite for persistence.
- Also added file-based logging via slog and request caching via Redis.

CERTIFICATIONS

- **FreeCodeCamp** - Backend Development and APIs course and Python courses
- **Kaggle** - Data Science and Artificial Intelligence
- **Coursera** - AWS Certifications
- **HackerRank** - Python, CSS, JS and SQL

HONORS & AWARDS

- Won the 1st prize (Rs. 1,00,000) in the Kavach 2023 Hackathon conducted by "Ministry of Home Affairs" for the problem statement "Advanced Fake News Detection"
- Won the 1st prize (\$200) in the PoweringSTEM 2023 Hackathon conducted by "PoweringSTEM"
- Finalists in Smart India Hackathon 2022 Edition and 2023 Edition.

VOLUNTEER EXPERIENCE

- Volunteered at "HyperVerge Academy" as a **Tech Mentor** and helped 7 students learn HTML, CSS, JS and React.js (Frontend)
- Chosen as the **Secretary** of the **CRYOSAT Club (CSE Department)** at Sri Krishna College of Engineering and Technology.
- Contributed to Various Open Source Projects including packaging, pywhatkit, and Simplemind.