KAVIN

Coimbatore, Tamil Nadu, India

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Portfolio

Career Objective

Aspiring Site Reliability Engineer with a strong focus on **cloud infrastructure**, **automation**, and system reliability. Seeking an opportunity to contribute to SRE teams by building automation tools, improving CI/CD workflows, enhancing monitoring systems, and ensuring secure and scalable cloud environments. Motivated to reduce manual toil, support deployment operations, and maintain high service availability through proactive performance analysis and incident handling.

Education

Dr. N.G.P. Arts and Science College, Coimbatore   2023 − Present
Bachelor of Science in Computer Science
Swami Vivekananda Matriculation Hr. Sec. School, Annur   Completed 2023
Higher Secondary Education

Technical Skills

Programming & Scripting: Python, Bash/Shell, C (Basics), JavaScript (Basics)

Cloud & DevOps: Docker, Git, CI/CD (Concepts)

Platforms: Linux (Ubuntu), Windows

Databases: PostgreSQL, MySQL

Frameworks & Web: Django, HTML5, CSS3

Networking: Hardware and Networking (Basics)

Containerization: Docker, Kubernetes (Basic)

Projects

AI ChatBot | *Django, Ollama, LLM Integration*
− Developed a Django-based AI chatbot integrating with Ollama (LLM), focusing on **service availability** and response time monitoring.

Self-Hosted Media Server (Immich) | *Docker, Linux, Self-Hosting*
− Deployed and manage **Immich**, a self-hosted photo/video management solution, using **Docker** on a dedicated Linux machine; responsible for setup, maintenance, and **service reliability**.

AI Surveillance System | *Python, Computer Vision, Alerting*
− Developed a real-time AI surveillance system using Python; designed an **alerting mechanism** to proactively notify users of wildlife activity, simulating an **incident response** workflow.

ESP32 WiFi Web Server | *HTML, CSS, ESP32, Networking*
− Configured an ESP32 as a web server, managing constrained device resources and troubleshooting **Wi-Fi network connectivity** to ensure **reliable access** to the web interface.

Django Blog Web App | *HTML, CSS, Django, Deployment*
− Created a responsive blog platform; managed deployment, configured **logging**, and monitored application **performance** and stability.

Hackathons & Achievements

Awarded **1st Prize** in Product Development at Dr. N.G.P. Arts and Science College.
Smart India Hackathon 2024 — Participated as a team member, focusing on **front-end UI development** for the team's web application.
HAC-Kathon'25 — AI innovation-based hackathon participation focused on Human–Animal Conflict challenges.

Certifications & Professional Development

Responsive Web Design — FreeCodeCamp (View)
Full Stack Development (Python Django) — FreeCodeCamp (View)
HAC-Kathon'25 — Human–Animal Conflict challenges (View)
Participated in **Women Techmakers Coimbatore 2025**
Attended **DevFest 2022** (GDG Coimbatore)