

Guganraj Rengaraju

Linux Systems | Infrastructure | DevOps

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SUMMARY

MCA student focused on Linux systems, infrastructure, and DevOps. Hands-on experience with Linux administration, Docker, Docker Compose, Nginx, CI/CD, container networking, self-hosted deployments, and cloud Linux servers. Interested in how applications are built, deployed, and operated in production.

TECHNICAL SKILLS

Linux & Systems	Fedora, Rocky Linux, system administration, services, permissions, SSH, firewalls
Containers	Docker, Docker Compose, container networking, volumes
DevOps & Infrastructure	GitHub Actions, GHCR, CI/CD, Nginx, Linux servers, Azure VM, PM2
Networking	TCP/IP fundamentals, ports, reverse proxies, Tailscale, private networking
Development	Node.js, Express.js, React, MongoDB, REST APIs, Git

PROJECTS

Chronicle — Self-Hosted Homelab Deployment

[GitHub](#)

Containerized and deployed a full-stack publishing platform on a Linux homelab server.

- Dockerized React, Node.js, and MongoDB using Docker Compose and persistent volumes.
- Configured Nginx reverse proxy and Docker service-to-service networking.
- Built CI/CD with GitHub Actions to test, build, publish images to GHCR, and deploy via Tailscale and SSH.
- Tested application recovery and data persistence after server reboot.

Guidra — Azure Linux VM Deployment

[GitHub](#)

Deployed a full-stack application's backend to an Azure Linux VM and configured its production environment.

- Configured Node.js, PM2, Nginx, SSH access, firewall rules, and environment variables.
- Configured HTTPS using Let's Encrypt and Certbot.
- Worked with Linux networking and production server deployment.

EXPERIENCE

Technical Instructor (Part-time) — JADEL INFO TECH

Mar 2026 – Apr 2026

Remote instruction in Web Development and Python fundamentals.

- Conducted daily online sessions with hands-on exercises and debugging support.
- Guided learners through mini projects, development workflows, and practical coding concepts.

Freelance Web Developer — Local Business Project

Feb 2026

Developed and deployed a responsive business website for a local client.

- Managed development, client feedback, domain and hosting configuration, and production deployment.
- Implemented SEO improvements and optimized the website for desktop and mobile devices.

TECHNICAL ACTIVITIES

Open Source Contributions

[GitHub](#)

Contributed to *zenmix* and *Study-Notion LMS*, submitting pull requests for UI improvements, theming, and documentation fixes. Multiple contributions were merged into the main codebase.

EDUCATION

2025 – Present M.C.A. — Computer Applications

T.U.K College, Thanjavur, Tamil Nadu, India

2022 – 2025 B.C.A. — Computer Applications

Annai Vailankanni Arts and Science College, Thanjavur, Tamil Nadu, India