

Kaverappa M M

(Full-Stack | DevOps | GenAI Engineer)

Experience across Full-Stack Development, DevOps Infrastructure, and Generative AI applications. Proven success in building scalable systems, automating deployments, and integrating LLMs in production environments. Hands-on with modern cloud-native stacks (Terraform, Docker, Kubernetes, AWS), robust CI/CD pipelines, and AI tools like LangChain and Stable Diffusion.

[Portfolio](#) [GitHub](#) [Email](#) [LinkedIn](#)

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WORK EXPERIENCE

Senior System Engineer (Infosys Limited, Mysore)

April 2022-Present

- Developed a Live Q&A platform supporting **10K+ users**, boosting real-time engagement by 90%.
- Built an **GenAI chatbot** using Langchain & Ollama LLM, achieving **95%** response accuracy.
- Integrated PostgreSQL with **Redis caching** to optimize backend response times under high load.
- Designed and deployed CI/CD pipelines using **GitHub Actions** and Docker, reducing release cycles **by 50%**.
- Managed codebase using GitHub and implemented **automated testing** via GitHub Actions.
- Managed Agile sprints, JIRA tracking, and PR-based **code reviews** with GitHub.

System Administrator (Diya Systems Pvt Ltd, Mysore)

December 2021-April 2022

- Provided **web advisory services**, resolved DNS issues, and optimized system performance.
- Configured and troubleshooted **Linux systems**, ensuring stability and security.
- Enhanced client solutions through strong **communication** and collaboration.

PROJECTS

Meridian-Events (Angular, Node.js, PostgreSQL, GitHub Actions, Redis, NgRx, RxJS)

- An end-to-end **event management platform** allowing users to create, view, and participate in live events.
- Optimized Angular performance with **ChangeDetection & lazy-loading**, reducing initial load time by 70%.
- Implemented **NgRx & RxJS** for state management, improving UI responsiveness.
- Enhanced backend performance using **Redis caching & asynchronous API calls** to handle high traffic.

Task Manager DevOps ([link](#)) (React, Node.js, MongoDB, GitHub Actions, Docker, Terraform)

- Developed a **CRUD** full-stack app for task management.
- Automated CI/CD pipelines using **GitHub Actions**, enabling seamless build, test, and deployment.
- Containerized with **Docker & Kubernetes**, ensuring scalability & service discovery.
- Implemented **role-based access** control for secure access.
- Integrated **Prometheus & Grafana** for real-time monitoring and alerting.

GenAI Text Generator ([link](#)) (React, Node.js, MongoDB, hugging-face, gpt2)

- Developed a full-stack GenAI application that generates context-aware text using GPT-2 models hosted via **Hugging Face**.
- Implemented custom **prompts** and tokenizer pipelines to generate creative content.
- Designed a responsive React frontend with input controls for style, tone, and length tuning.
- Built backend with Node.js to handle API integration, session caching, and generation state.

SKILLS

- **Frontend:** Angular, RxJS, NgRx, React, Next.js, TypeScript, HTML, CSS, Bootstrap
- **Backend:** Node.js, Python, Express.js, REST APIs
- **Databases:** MongoDB, PostgreSQL, MySQL
- **DevOps & Cloud:** GitHub Actions, Jenkins, Docker, Kubernetes, Terraform, AWS (EC2, S3, Lambda, IAM, Bedrock, ECS, EKS), Azure
- **AI/ML:** GenAI, LangChain, TensorFlow, Scikit-learn, NumPy, Pandas
- **Monitoring & Security:** Prometheus, Grafana, SonarQube, Trivy

EDUCATION

Bachelor of Engineering(7.62 CGPA)

August 2017-October 2021

