

R Ganesh Kumar

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PROFESSIONAL DESCRIPTION

Aspiring Cloud and DevOps Engineer with practical experience delivering cloud-native solutions, automating deployments and supporting full-stack development in real-world environments. Skilled in designing scalable infrastructure and CI/CD pipelines through contributions at MeatChop and F13 Technologies. AWS certified, with a strong foundation in CS fundamentals and analytical problem solving

TECHNICAL SKILLS

- **Cloud & DevOps:** AWS, Linux, Bash, Docker, Kubernetes, Terraform, Jenkins, GitLab CI/CD
- **Programming & Technologies:** Python, C, C++, React, NextJS, Flask, Git, SQL

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**
Issued by Amazon Web Services | [Certificate](#) | [Badge](#) Aug 2024
- **Docker Foundations Professional**
Issued by Docker | [Certificate](#) July 2024





EXPERIENCE

- **The MeatChop, Chennai** Dec 2024 – Apr 2025
Web Developer Intern | Hybrid
 - Developed a high-performance B2B operational web application with a responsive frontend and stateless integration to a fully AWS-deployed backend, ensuring scalability and reliability.
- **F13 Technologies, New Delhi** Aug 2024 – Nov 2024
AWS Cloud Intern | Remote
 - Gained hands-on experience with core AWS services through internships, contributing to scalable cloud-based architectures and earning industry-recognized certifications.
 - Built a personalized movie recommendation system using Flask and AWS Personalize, improving recommendation accuracy and user engagement. [MRS - AWS](#)
 - Developed a serverless HR Management System on AWS with dynamic database handling, user authentication and a React frontend for streamlined employee operations. [HRMS - AWS](#)

EDUCATION

- **SRM Institute of Science and Technology, Chennai, TN** 2020 – 2024
BTech in Computer Science and Engineering Cum. GPA: 9.5 / 10

PERSONAL PROJECTS

- **GitOps-Driven Kubernetes Deployment with ArgoCD and Tekton** June 2025 - Present
Tools: Docker, K8s, ArgoCD, Tekton, PostgreSQL 
 - Containerized a Rails + PostgreSQL app using Docker Compose and deployed it on Kubernetes with StatefulSets. Automated CI/CD via Tekton and enabled GitOps-based deployment using ArgoCD and GitHub.
- **Real-Time Metrics Dashboard with Docker & CI/CD automation** Feb 2025 – Mar 2025
Tools: Flask, Docker, Redis, GitLab CI/CD 
 - Built a Dockerized Flask app with Redis for real-time system metrics and monitoring. Integrated GitLab CI/CD for automated testing and deployment of containerized services.
- **Cloud Infrastructure Automation using Terraform** Jan 2025 – Feb 2025
Tools: AWS, Terraform, Docker 
 - Automated infrastructure provisioning using Terraform and Docker to deploy a highly available AWS architecture, following IaC best practices for scalability and security
- **People's Behavior Analysis using Text Data** Feb 2024 – Jun 2024
Tools: Python, Keras, Flask, NLP, AWS 
 - Designed and deployed an advanced NLP model (LCNN-ATT) combining CNN, BiLSTM and attention mechanisms for behavioral tweet sentiment analysis, achieving 89% accuracy. Integrated the model into a Flask-based web application enabling real-time predictions through an intuitive user interface.