GANESH RAM KOTA

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CAREER OBJECTIVE

AWS Certified Solutions Architect and DevOps enthusiast with experience in Docker, Kubernetes, Terraform, and Jenkins. Skilled in building scalable AWS infrastructure and automating CI/CD pipelines. Passionate about applying cloud and DevOps solutions to aviation, and eager to build a career in the aviation industry.

EDUCATION

B.Tech in Computer Science, Gitam University, Bangalore — **2020 - 2024**
CGPA: 7.85/10 — Bangalore, India

Intermediate (MPC), NRI Junior College — **2018 - 2020**
CGPA: 9.07/10 — Guntur, India

10th Standard, Qis Public School — **2017 - 2018**
Percentage: 61 — Ongole, India

SKILLS

Cloud Platforms	AWS (EC2, S3, VPC, IAM, RDS, SQS, SNS, EBS, Route 53, CloudWatch, CloudTrail, CloudFront, CloudFormation, ELB, Auto Scaling)
DevOps Tools	Git, GitHub, Docker, Jenkins, Kubernetes, Ansible, Terraform, Maven
Operating Systems	Linux (CentOS, Ubuntu), Windows
Virtualization	VMware, Oracle VirtualBox
Monitoring	AWS CloudWatch
Soft skills	Collaboration, Problem-solving, Agile Methodology
Certifications	AWS Certified Solutions Architect - Associate, COSS Cloud Solutions, 2025 | DevOps and Linux System Administration, COSS Cloud Solutions, 2025

EXPERIENCE

- Versioned and maintained source code repositories on GitHub, enabling organized collaboration and reducing code conflicts by 15%.
- Built and customized Docker containers, improving application deployment speed by 25%.
- Engineered automated build and deployment pipelines with Jenkins, improving software delivery speed and reducing manual errors.
- Orchestrated lightweight Kubernetes clusters for managing containerized workloads and enhancing system scalability.
- Utilized AWS tools (EC2, S3, VPC, IAM, CloudWatch, EBS, ELB) to create efficient systems.

PROJECTS

Web Application Hosting on AWS (2024): Hosted a web application using AWS services like EC2, S3, RDS, and Route 53, ensuring high availability with Auto Scaling and Application Load Balancer (ALB). (Project Link)

Temperature Monitoring Using IoT and Augmented Reality (GITAM University, 2024): Developed a real-time temperature monitoring system using Unity 3D and Vuforia for AR visualization, integrating IoT for dynamic data updates. including type, model, and size, while enabling the addition of extra products. Streamlined order management with automated workflows, enhancing operational efficiency and user experience.

RESEARCH PUBLICATIONS

- IEEE Paper: "Integration of IoT with AR for Temperature Humidity Monitoring," 2024.