

RESUME

Ganesh Ram Kota

Mobile: +91 9014641456 | Email-id: kotaganeshram@gmail.com |

GitHub: <https://github.com/Kotaganeshram/My-Projects.git> | Location: Hyderabad, India

Career Objective

As a passionate fresher with a Bachelor's degree in **Computer Science and Engineering** and certifications in **AWS Solutions Architect** and **DevOps**, I aim to leverage my skills in **AWS**, **Docker**, **Kubernetes**, and **Terraform** to build efficient cloud solutions within a dynamic organization. I am eager to contribute to innovative DevOps projects while expanding my expertise in automation and infrastructure management, drawing from my academic experience in **IoT and AR integration**.

Technical Skills

- **Cloud Platforms:** AWS (EC2, S3, VPC, IAM, RDS, SQS, SNS, EBS, Route 53 CloudWatch, CloudTrail, Cloud Front, 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
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Certifications

- **AWS Certified Solutions Architect – Associate**, COSS Cloud Solutions, 2024
 - **DevOps and Linux System Administration**, COSS Cloud Solutions, 2024
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Technical Experience

- **Git:** Set up and managed code repositories using Git for version control.
- **Docker:** Configured the containers via Docker Images, created images from a container, handled Docker volumes and port mapping, and pushing an image to Docker registry
- **Jenkins:** Installed and integrated Jenkins with Git and Maven, set up CI/CD pipelines, and configured dependency jobs.
- **Kubernetes:** Created and managed Kubernetes clusters for container orchestration.
- **AWS:**

- **EC2:** Created and managed various EC2 instances, gaining practical experience with instance types and configurations.
 - **S3:** Worked with version control, lifecycle management.
 - **VPC:** Configured VPC, subnets, and launched instances.
 - **IAM:** Administered users, groups, and policies.
 - **CloudWatch:** Monitored AWS resources and set up alerts.
 - **EBS:** Worked with EBS volumes and snapshots.
 - **ELB & Auto Scaling:** Configured ELB and Auto Scaling groups.
 - **Terraform:** Automated cloud resource provisioning using Terraform.
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Academic Projects

Temperature Monitoring Using IoT and Augmented Reality | GITAM University | 2024

The system was developed using the **Unity 3D** engine, integrating **Vuforia** for target image recognition. Once the target is detected, a temperature overlay is displayed at its location. The overlay is updated in real-time with data from the IoT platform, ensuring accurate and dynamic temperature readings.

Online E-Bike Rentals Platform | GITAM University | 2023

Developed a **WordPress**-based e-bike rental platform to manage detailed bike specifications, including type, model, and size, while enabling the addition of extra products. Streamlined order management with automated workflows, enhancing operational efficiency and user experience.

Education

Bachelor of Technology, GITAM University, Bangalore | 2020–2024 | 74.5%

Intermediate, NRI Junior College, Guntur | 2018–2020 | 86%

10th Standard, QIS Public School (CBSE), Ongole | 2017–2018 | 61%

Research Publication

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

I hereby declare that all information provided in this resume is true and accurate to the best of my knowledge.