

Rokkam Ganesh

📍 Rajahmundry | +91 9392783083 | ✉ ganeshrokkam22@gmail.com | **in** [Linkedin](#) |  [Github](#) | [Credly](#)

SUMMARY

B.Tech student in Computer Science (AI & ML), actively seeking a job opportunity. Experienced in Java, Python and MySQL. Gained hands-on experience of AWS and RHEL system administration. Built projects such as a containerized application, text-to-speech conversion, and image search using AWS & RHEL, integrated with ML and web technologies.

EDUCATION

Godavari Institute of Engineering and Technology

Rajahmundry, AP

Bachelor of Technology in Computer Science (AI & ML), CGPA: 8.7/10

Expected 2026

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Databases, Computer Networks, Machine Learning

TECHNICAL SKILLS

Languages: Java, Python, JavaScript

Development: AWS (Cloud Practitioner), Red Hat (RH124, RH134), React, Tailwind CSS, Node.js

Databases: MySQL, MongoDB

Dev & Tech Tools: Git, GitHub, VS Code, IntelliJ, Maven, Docker & Podman, Github Actions

EXPERIENCE

AWS and Red Hat Trainee

May 2024 – June 2025

Techwing

- Built 5+ integrated AWS workflows, combining services like EC2, S3, IAM in RHEL setups
- Managed 15+ AWS services via Console/CLI, to work with real-world cloud architectures
- Administered RHEL systems for 20+ users, implementing shell scripts and configuring SELinux policies

PROJECTS

VisionCast – Smart Image & Audio Output | *S3, Lambda, Rekognition, Polly, DynamoDB, React*

[Github](#)

- Developed a React frontend for text-to-speech conversion and image tagging, integrated with AWS S3
- Converted 50+ text files to audio using Polly via Lambda, with ZIP support for bulk downloads
- Tagged and Indexed 100+ images via Rekognition for instant search, preview, and deletion

FreeIPA & S3Backup – Secure Identity & S3 Backup | *EC2, Route 53, S3, RHEL, Podman, FreeIPA*

[Github](#)

- Deployed a web server using Podman on a RHEL EC2 instance, serving static HTML with automated S3 backups
- Installed FreeIPA on EC2 and integrating with AWS Route 53 for centralized DNS and identity control
- Managed users and groups through FreeIPA's, enabling secure access control across the cloud-based network

Fruit Ripeness Profiling | *Python, PyTorch, Scikit-Learn*

- Built a Vision Transformers Model to detect ripeness of multiple fruit using 1000+ images for each class in dataset
- Designed a custom training pipeline integrating precision-tuned optimization strategies, regularization methods
- Achieved 97% validation accuracy using Early Stopping over 50 epochs with image-level augmentation

CERTIFICATIONS

Red Hat System Administration II (RHA), Red Hat

Jun 2025

Red Hat System Administration I (RHA), Red Hat

Apr 2025

Cloud Operations, AWS Academy

Jan 2025

Introduction to Cloud Semester, AWS Academy

Dec 2024

Cloud Computing (91%, Gold - Topper), NPTEL

Oct 2024

Data Structures & Algorithms (Java) (81%, Silver), NPTEL

Apr 2023