

VALLURU YASHWANTH REDDY

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Summary

Versatile DevOps and ML enthusiast with strong foundations in cloud infrastructure, automation, and deep learning. Experienced in deploying containerized applications, designing CI/CD pipelines, and building intelligent systems. Passionate about solving real-world problems using scalable, cloud-native tech.

Education

SRM Institute of Science and Technology

B.Tech. in CSE - AI/ML; CGPA: 8.55

Chennai, India

2021 – 2025

Skills Summary

- **Programming:** Python, C Sharp, Bash, SQL, MySQL, PostgreSQL
- **ML/AI:** TensorFlow, Keras, Scikit-learn, Pandas, Matplotlib, Numpy, OpenCV
- **DevOps Tools:** Git, Jenkins, Docker, Kubernetes, Terraform, SonarQube, Postman, Jira
- **Cloud:** AWS (EC2, S3, EBS, VPC, IAM, Lambda, ECS, ECR, EKS, ALB, ELB, CloudFormation, CDK, CLI)
- **Soft Skills:** Problem Solving, Leadership, Public Speaking, Time Management

Experience

Minfy Technologies

DevOps + Migration Intern

Hyderabad, India

Apr 2025 – Present

- Built CI/CD pipelines using GitHub Actions for automated testing and deployment.
- Containerized with Docker for environment-agnostic reproducibility.
- Provisioned AWS infra using Terraform: EC2, S3, IAM.
- Deployed services using ECS, EC2, EKS; managed images via ECR.
- Orchestrated scaling and load balancing with Kubernetes.
- Monitored apps with Prometheus and Grafana dashboards.

Projects

Forest Land Encroachment Detection

2024

- Used Swin Transformer + ChangeFormer for satellite-based forest monitoring.
- Integrated Sentinel-2, MODIS, Landsat-8 using Google Earth Engine.
- Real-time alerts for illegal land use.

◦ **Tools:** Python, OpenCV, GDAL, GeoPandas, GEE

GitHub: github.com/Vr5189/Deforestation_Analysis

Wheat Disease Classification with SSL

2024

- Built SSL pipeline with VGG16 and ResNet50 for disease classification.
- Used YOLO, attention, and ensembling for precision.
- **Tools:** Python, TensorFlow, Keras, OpenCV, Matplotlib

Certifications

- AWS Academy Graduate – Machine Learning Foundations
- AWS Certified Cloud Practitioner

Achievements

- Ranked **5th** in SRMJEEE
- SRM Founder's Scholarship Awardee

Volunteer Experience

Joint Cultural Secretary – Directorate of Student Affairs, SRMIST

Jan 2024 – Present

- Organized Milan, one of India's largest cultural festivals.
- Collaborated with AIU to host national university events.