

IMMAREDDY ARAVIND

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Education

Vellore Institute of Technology

B.Tech CSE(specialization in Cloud Computing and Automation) ,CGPA:8.57/10.0

2021 – 2025

Madhya Pradesh, India

Sri Chaitanya Junior College

Intermediate Education ,Percentage:84.2%

2019 – 2021

Telangana, India

Bhashyam High School

Secondary Education ,CGPA:10.0/10.0

2018 – 2019

Telangana, India

Technical Skills

Languages/Frameworks: Python, React.js

Cloud,DevOps & CI/CD: AWS, Docker, Jenkins, Git, Bitbucket

Monitoring Observability: cAdvisor, Prometheus, InfluxDB, Grafana

Developer Tools: VS Code, Pycharm, Windsurf, Github, WinSCP, Solar-Putty, Figma , **Database:** MongoDB

Project Management : Jira, Agile Methodologies , **Generative AI Tools:** ChatGPT, Grok, Bolt.new, Lovable.dev

Projects

AWS Cloud | *EC2, ELB, S3, VPC, CloudWatch, IAM*

- Hands-on experience with AWS services: EC2, ELB, S3, VPC, CloudWatch, IAM resulting in increased deployment efficiency.

AWS Serverless Order Entry System | *HTML/CSS, AWS Lambda, DynamoDB, IAM, CloudWatch* | **GitHub**

- Developed a responsive front-end integrated with AWS Lambda for backend logic and DynamoDB for secure order storage.
- Designed IAM roles, robust error handling, and data validation in Lambda functions for better secure processing.
- Monitored application performance and security using AWS CloudWatch, significantly enhancing system scalability and reliability.
- Optimized Lambda functions for faster execution and reduced costs, achieving a 20% improvement in performance.

Netflix Clone – DevOps Edition | *AWS EC2, Docker, Jenkins, Prometheus, Grafana, Trivy, SonarQube* | **GitHub**

- Developed a scalable multimedia streaming platform using Docker and Deployed in AWS EC2 instances.
- Automated CI/CD pipelines with Jenkins, integrating security tools like SonarQube and Trivy for continuous vulnerability scanning.
- Integrated Node-Exporter and Prometheus with Grafana to visualize container performance metrics, improving container health monitoring by 50%.
- Configured Prometheus' alerting functions to automatically notify the team of any system degradation or failures.

Internships

DaT Cloud Solutions Private Ltd

Remote

DevOps Intern

December 2024 – January 2025

- Deployed Docker-based applications using multi-stage builds, improving resource efficiency and deployment speed by 40%.
- Orchestrated application deployments via Bitbucket and WinSCP on Solar-Putty servers, enhancing system reliability.
- Utilized cAdvisor, InfluxDB, and Grafana to monitor container performance metrics in real-time; identified critical bottlenecks that improved system response times by an average of 25% during peak usage periods.
- Contributed to automation scripts for deployment processes, reducing manual intervention by 40%.

Codtech IT Solutions

Remote

DevOps Intern

June 2024 – August 2024

- Developed CI/CD pipelines with Jenkins, reducing deployment times by 30% and improving integration cycles.
- Containerized applications with Docker, streamlining deployment processes and enhancing environment consistency.
- Automated repetitive tasks, reducing manual effort and increasing overall deployment reliability.

Achievements & Responsibilities

- Qualified for round 2 in IDEATHON, showcasing innovative solutions in cloud-based applications.
- Orchestrated flagship Telugu cultural festival, featuring 40+ student performances and 3 guest speakers, attracting 300+ attendees and increasing club membership applications by 40% that semester.
- Member, Sponsorship & Marketing Committee, AdvITYa Event, contributing to successful sponsorship acquisition.