IMMAREDDY ARAVIND

📞 7842218018 ✉ immareddyaravind@gmail.com in Immareddy Aravind ⌗ Immareddy Aravind

Education

Vellore Institute of Technology   **2021 − 2025**
B.Tech CSE(specialization in Cloud Computing and Automation) ,CGPA:8.65/10.0   *Madhya Pradesh, India*

Sri Chaitanya Junior College   **2019 − 2021**
Intermediate Education ,Percentage:84.2%   *Telangana, India*

Bhashyam High School   **2018 − 2019**
Secondary Education ,CGPA:10.0/10.0   *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.