Venkata Siddardha Rali

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EDUCATION

Lendi Institute of Engineering and Technology — Vizianagaram, India
B.Tech, Computer Science and Engineering; GPA: 8.42/10 — *2021 – 2025*

TECHNICAL SKILLS

- **Languages**: Python, JavaScript, Shell Scripting, Golang
- **Libraries and Frameworks**: Flask, Django, FastAPI, Pytest, Helm
- **Developer Tools**: Git, GitHub, JIRA, Postman, Insomnia, Firebase
- **Cloud Services and Databases**: Amazon Web Services, Google Cloud, PostgreSQL
- **CI/CD**: Jenkins, GitHub Actions, ArgoCD
- **Containers**: Docker, Kubernetes
- **Security**: SonarQube Cloud, Trivy, OWASP
- **Infrastructure Automation**: Terraform, Cloud Formation
- **Configuration Management**: Ansible

EXPERIENCE

Indian Servers — Remote
Web Application Pentester — *Dec 2022 – Feb 2023*

- Performed comprehensive web application penetration testing using Burp Suite, identifying and mitigating vulnerabilities, leading to a 30% improvement in application security for government websites.
- Designed and executed sandboxed environments for malware testing, optimizing resource utilization by 25%.

PROJECTS

- **Reform Energy Solutions CRM Application (Freelance Project)**
  - Reform specializes in expert installations of renewable energy systems and insulation, helping UK homeowners optimize energy costs with tailored solutions and grant assistance.
  - Streamlined development workflows by containerizing Django applications with Docker, implementing CI/CD pipelines via GitHub Actions (accelerating deployments by 35%), and adopting efficient Git branching strategies to improve collaboration and code review efficiency by 20%.
  - Automated PostgreSQL backups using Shell scripting, cutting manual effort by 40% while ensuring 100% data reliability with S3 storage integration.
  - Optimized deployment and scalability by implementing ECS for application hosting, reducing hosting costs by 25%, and improving performance efficiency.
- **Conduit: End-to-End CI/CD Implementation**
  - Deployed a production grade blog application utilizing AngularJS, Django, and PostgreSQL.
  - Implemented CI pipelines using Jenkins, integrating security checks (Trivy, OWASP Dependency Check, and GitGaurdian) and results sent over Slack.
  - Automated deployments using Argo CD (GitOps approach) on a production-grade Kubernetes cluster bootstrapped with KOps, improving deployment speed by 50% and reducing manual intervention by 35%.

TEACHING/LEADERSHIP EXPERIENCE

- **Lead Chairperson** - Led and mentored a team of 15 members as the Lead Chairperson of the GeeksForGeeks Student Chapter at LIET, organizing over 10 technical sessions and coding contests.
- **Technical Speaker** - Delivered sessions on technical topics such as APIs, Git and GitHub, and Google Cloud Platform. Engaged over 100 participants in sessions like "API 101" with the Postman Student Community, a deep dive into Git and FOSS development, and a hands-on GCP workshop at the GFGXAMD Hackathon.

ACCOMPLISHMENTS

- Won first place at Hacktriad for a college admission prediction system from GATE Score, receiving a Samsung tablet.
- Finalist at INNOEXPO 360, showcasing innovative B2B Platform addressing problems in Agriculture.