VENKATA SAI NAGARJUNA SINGARAPU

+91 9951641382 | svs.nagarjuna2001@gmail.com

LinkedIn | GitHub | Portfolio

EDUCATION:

Adikavi Nannaya University | B.Tech | Computer Science & Engineering | Aug 2019 - May 2023

TECHNICAL SKILLS

Languages & Technologies: Python| Django | C | Linux OS | SQL (MySQL) | HTML | CSS | Bootstrap

Tools: GitHub | Jira | Postman | REST APIs | Grafana | Excel | Kibana

Cloud & Automation: Jenkins, Selenium

WORK EXPERIENCE

Junior Software Engineer | Verenya Netshield Security Solutions Pvt. Ltd.   **Oct 2024 - Present**

- Developing and deploying fullstack web applications using Python Django, contributing to both backend and frontend development.
- Implementing user authentication, form validation, and REST API integrations.
- Managing MySQL RDS databases and deploying applications using AWS cloud infrastructure.

Software Engineer Apprentice Trainee | Cisco Systems India Private Limited   **Sep 2023 – Sep 2024**

- **Adding Retention Policies for TiDB**: Reviewed documents to determine optimal retention strategies and collaborated with the team using Java and MySQL, enhancing technical and data management skills.
- **RT Codebase Optimization:** Spearheaded code refactoring and performance improvements for scalability and maintainability.
- **Grafana Dashboard Migration:** Streamlined monitoring by migrating dashboards from NorAm to Metrics-O and optimizing alert mechanisms.
- **Automated Connector Testing:** Built a Jenkins pipeline using Python and Selenium for continuous connector testing across release channels.

Web Developer Intern | Harmony Infotech Solution   **Jun 2022 – Jul 2022**

- Developed a Vehicle Management System web application using PHP and MySQL.
- Gained hands-on experience in web development and best practices.

PROJECTS

DDoS Attack Prediction Using Machine Learning

- Developed a predictive model with Decision Tree algorithm to detect DDoS attacks by analyzing network traffic.
- Evaluated model accuracy and compared it with other algorithms for enhanced network security.

CERTIFICATIONS

- Cisco Certified Network Associate 200-301 | Cisco Systems India Private Ltd | 2024
- Cisco Certified DevNet Associate 200-901 | Cisco Systems India Private Ltd | 2024

ACHIEVEMENTS

- Nominated as MVP of the quarter by my team at Cisco Systems India Private Limited.
- Pratibha Award for outstanding secondary school performance, Andhra Pradesh State Government, 2017.