

## Rohith Matam

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### EDUCATION

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**California State University** – Dominguez Hills

Aug2023 - May2025

*Masters in Computer Science*

**CGPA: 3.7/4.0**

*Concentration: Software Engineering*

**Sphoorthy Engineering College** - JNTU Hyderabad

Aug2018 - Aug2022

*Bachelors in Computer Science*

**CGPA: 3.3/4.0**

### EXPERIENCE

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**Infosys, Mysore** - System Engineer

Jan 2023 - May 2023

- Applied WLAN technologies and managed Switches, Access Points, and Routing protocols. Collaborated with software engineering teams, resulting in a 20% reduction in integration time for network components into web applications.
- Utilized Ansible to automate network hardware and software configurations, streamlining deployment processes. Achieved a 25% improvement in deployment efficiency, ensuring quicker adaptation to evolving web application requirements.
- Implemented access list configurations and VLANs, fortifying network security for web applications. Mitigated network-related issues, resulting in a 15% reduction in security incidents and enhancing the resilience of web applications.
- Demonstrated troubleshooting skills in resolving network, WLC, AP, and VLAN-related issues, ensuring optimal performance for web applications. Achieved a 30% reduction in web application downtime through proactive issue resolution.
- Utilized various network management and monitoring tools, ensuring web development environments' health. Reduced response time to critical issues by 20%, aligning with the proactive approach crucial for web development environments.
- Possessed a basic understanding of ticketing systems for systematic task management. Leveraged this knowledge to address network and web application-related tasks, resulting in a 20% increase in task completion efficiency.

### PROJECTS

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**Garbage Detection**

Mar 2022 - May 2022

- Developed the implementation of a TensorFlow-based smart waste management system, enhancing operational efficiency by 20% and responsiveness through real-time object detection and classification, as measured by reduced response times to waste disposal issues.
- Engineered a multi-compartment bin system with Faster R-CNN and ResNet, resulting in a 16% increase in waste recycling efficiency and accurate waste classification, supported by experimental data demonstrating enhanced detection and location accuracy.
- Implemented a data fusion strategy to overcome region false identification problems, resulting in a 30% reduction in false positives.
- Facilitated near-real-time and high-precision detection of garbage in urban scenes, demonstrating practical value in urban waste management.

**Resume Builder**

Nov 2021 - Dec 2021

- Developed and imposed an Online Resume Builder for the Department of Computer Science, reducing resume creation time by 25% through streamlined processes, facilitating the production of professional-looking resumes.
- Emphasized a user-friendly Online Resume Builder using HTML-5 and CSS-3 for the front-end and Django for the back-end, minimizing human intervention.
- Integrated a comprehensive online form for personal, educational, and professional details, resulting in a 25% reduction in resume creation time through a streamlined and modular approach.

### SKILLS

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**Languages:** Java, C, Python, JavaScript, AWS CLI scripting | **Web Technologies:** HTML5, CSS3, React, AWS CloudFront, AWS S3 | **Databases:** MySQL, OracleSQL, MongoDB, Django, Amazon DynamoDB, Amazon RDS | **Tools:** GitHub, IntelliJ IDEA, Cisco Packet Tracer, Eclipse, VSCode, Anaconda, BigData Spark, AWS Management Console, AWS CloudFormation | **Big Data/Analytics:** PySpark