SONALI RANGAMPALLY

ASPIRING DEVOPS ENGINEER

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SUMMARY

Currently pursuing a Master's degree in Computer Science, with strong foundational knowledge in software development, cloud computing, and automation. Passionate about DevOps practices, continuous integration/continuous deployment (CI/CD), and infrastructure as code (IaC). Skilled in tools like Docker, Jenkins, Git, and AWS. Seeking a DevOps internship to apply technical skills, contribute to efficient software delivery, and gain hands-on industry experience.

SKILLS

- **Cloud:** AWS (EC2, S3, Lambda, SageMaker, Recognition), Azure

- **Languages:** Python, Bash, C, C++

- **Containers & Infra:** Docker, Linux, AWS IAM, Networking

- **Version Control:** Git, GitHub

- **DevOps Tools:** Git, Jenkins, Docker, GitHub Actions

- **CI/CD & Automation:** GitHub, Jenkins pipelines, shell scripting

- **Monitoring & Logs:** CloudWatch basics

- **Other Tools:** Packet Tracer, VS Code, Jupyter, CLI tools

RELEVANT EXPERIENCE

AWS Cloud Foundation Intern, 10/2021 - 12/2021
Amazon Web Services – India

- Gained hands-on experience deploying and managing core AWS services, including EC2, S3, IAM, and Lambda
- Built foundational cloud architectures using best practices in security and scalability
- Practiced setting up virtual servers, permissions, and storage for simulated enterprise environments
- Developed and tested basic automation scripts using AWS CLI and Python
- Applied concepts of cloud networking, monitoring, and infrastructure as code

- Collaborated on lab-based projects simulating real-world cloud deployment scenarios

AWS Machine Learning Intern, 01/2021 - 04/2021

Amazon Web Services – India

- Assisted in developing, training, and optimizing machine learning models using AWS services like SageMaker, Rekognition, and Lambda.
- Collaborated with the data science team to preprocess large datasets and implement data pipelines on AWS.
- Conducted experiments to improve model accuracy, scalability, and performance in cloud environments.
- Automated workflows using AWS tools to streamline deployment and monitoring of ML models.

Reach Tutor, 08/2024 - Current

Toro Auxiliary Partners – California, United States

- Provided one-on-one and small group academic support to K–12 students across various subjects, helping improve understanding and performance.
- Assisted students in developing effective study habits, organizational skills, and time management.
- Maintained clear communication with teachers and staff to align tutoring goals with curriculum requirements.

CERTIFICATIONS

Azure AI fundamentals

AWS Machine Learning Internship

Networking Essentials

AWS Cloud Foundation Internship

Packet Tracer

Cybersecurity Essentials

EDUCATION AND TRAINING

Master of Science: Computer Science, 01/2026

California State University Dominguez Hills - Carson, CA

- Advanced Software Engineering, Data Structures, Operating Systems, Object-Oriented Programming, Design and Analysis of Algorithms, Software Quality Assurance

- Built a strong foundation in software development life cycle, version control, and testing methodologies
- Gained practical experience in system-level programming, performance analysis, and automation
- Applied Agile and DevOps principles in academic projects involving CI/CD pipelines and code quality tools

PROJECTS/PUBLICATIONS

CI/CD Pipeline for Python Project (GitHub)
- Set up Jenkins pipeline for a Python-based app with unit tests, Docker packaging, and deployment

IoT-Based Collision Detection System
- Published in *IJARSST, Vol. 13, June 2023* (ISSN: 2457-0362)

Nidar – Women Safety App
- College-level innovation contest finalist; top 3 project.
- Features: real-time tracking, geolocation alerts, emergency signals.

Sentiment Analysis ML App
- Implemented NLP with cloud-based model deployment