

Ram Vamshi Krishna Rudraram

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SUMMARY

Software Engineer with a background in cloud engineering, automation, and full-stack development. I bring around four years of combined experience across internships, full-time training, and hands-on project work. Known for building practical solutions, improving efficiency, and debugging complex systems.

EDUCATION

Missouri State University <i>Masters in Computer Science</i>	Springfield, MO Jan. 2024 – Dec 2025
Koneru Lakshmaiah Education Foundation <i>Bachelor of Technology in Computer Science and Engineering</i>	Hyderabad, India Jan. 2019 – May 2023

EXPERIENCE

Software and Automation Assistant <i>Missouri state university</i>	Jan 2025 – Present Springfield, Mo
<ul style="list-style-type: none">Automated tracking workflows using Python and digital tools, streamlining request handling and reducing manual overhead.Analyzed maintenance data to identify workload patterns and optimize scheduling, improving operational efficiency across housing teams.	
Pega Application Developer — Engineering Trainee (Full-Time) <i>TalentSprint, KL University</i>	Feb. 2022 – Feb. 2023 Hyderabad, India
<ul style="list-style-type: none">Completed a year-long enterprise training program in Pega Application Development, specializing in workflow automation, case management, and system integration.Designed and optimized end-to-end process flows by applying Agile methodologies and best practices in software development. Earned Pega CSA and CSSA certifications by developing, testing, and debugging scalable business applications through iterative improvements.	
Cloud Engineering Intern (AWS) <i>Edu Skills, AWS Academy</i>	Oct 2021 – Dec 2021 Hyderabad, India
<ul style="list-style-type: none">Completed a 10-week AWS Cloud Computing internship, focusing on deploying and integrating scalable cloud services such as EC2, S3, and IAM.Applied Python and C to automate deployment and monitoring workflows, improving efficiency and reliability in real-time cloud environments. Gained hands-on experience in cloud architecture and automation, contributing to faster troubleshooting and resource optimization.	

INDUSTRY EXPERIENCE AND ENGINEERING PROJECTS

Amtrak – Train Tracking Web Application <i>React, Node.js, Express, REST API, GitHub</i>	Sep 2024 – Dec 2024
<ul style="list-style-type: none">Developed a full-stack web app that displays live train routes, schedules, and delays using REST API integration and Leaflet.js for map visualization.Built backend services in Node.js and Python to process and serve real-time data to a responsive React frontend. Worked in Agile sprints with GitHub version control, enhancing performance, data accuracy, and feature delivery timelines.	
E-Commerce Chatbot QA System <i>Python, PyTorch, Hugging Face, Git</i>	Feb 2025 – May 2025
<ul style="list-style-type: none">Built an intelligent QA chatbot in Python that reads product data and answers customer queries using BERT fine-tuning with PyTorch and Hugging Face.Trained and optimized the model on SQuAD v2.0 and a custom e-commerce dataset, improving accuracy to 72.5 EM and 78.3 F1. Deployed the chatbot through Flask, enabling real-time, human-like responses and collaborative version control using Git.	

TECHNICAL SKILLS

Languages: Python, C, C++, Java, JavaScript, SQL
Cloud & Platforms: AWS, Azure, Google Cloud Platform (GCP), Linux
DevOps & Automation: Git, Docker, CI/CD Pipelines (GitHub Actions), Infrastructure as Code (CloudFormation)
Frameworks & Tools: React, Node.js, Flask, FastAPI, Pega Platform (CSA, CSSA Certified)
Libraries & AI/ML: PyTorch, Hugging Face, pandas, NumPy
Concepts: Cloud Engineering, System Integration, Debugging, Troubleshooting, Automation, Agile/Scrum, Continuous Improvement