

# 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

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

## EXPERIENCE

<b>Software and Automation Assistant</b> <i>Missouri state university</i>	Jan 2025 – Present Springfield, Mo
• 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.	
<b>Pega Application Developer — Engineering Trainee (Full-Time)</b> <i>TalentSprint, KL University</i>	Feb. 2022 – Feb. 2023 Hyderabad, India
• 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.	
<b>Cloud Engineering Intern (AWS)</b> <i>Edu Skills, AWS Academy</i>	Oct 2021 – Dec 2021 Hyderabad, India
• 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

<b>Amtrak – Train Tracking Web Application</b>   <i>React, Node.js, Express, REST API, GitHub</i>	Sep 2024 – Dec 2024
• 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.	
<b>E-Commerce Chatbot QA System</b>   <i>Python, PyTorch, Hugging Face, Git</i>	Feb 2025 – May 2025
• 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

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