Karthika Padala

Vijayawada | 2200030970cseh@gmail.com | 9030451676 | Portfolio | LinkedIn | GitHub

Enthusiastic Computer Science undergraduate with hands-on experience in DevOps and full-stack development through academic projects and internships. Proficient in Jenkins, Kubernetes, Docker, and Java, with a strong foundation in building scalable and automated solutions. Passionate about continuous learning, problem-solving, and contributing to innovative software development and system optimization.

Education

Koneru Lakshmaiah University, B.Tech in Computer Science   July 2022 – May 2026
- CGPA: 9.39/10

Sri Chaitanya Junior College, Class XII   July 2020 – May 2022
- Percentage: 89%

Experience

Cloud Virtual Intern, AICTE Edu Skills – Remote   Jan 2024 – Mar 2024
- Deployed and monitored cloud-based applications using AWS services such as EC2, S3, and Lambda.
- Designed CI/CD pipelines with Jenkins and Docker, resulting in a 30
- Optimized resource usage by implementing auto-scaling groups, reducing operational costs.

Projects

Online Stock Management System   June 2024
- Designed and implemented a robust stock management system using Java technologies for enterprise-grade usability. Integrated real-time inventory updates, role-based access control, and data dashboards.
- **Technologies:** Java, JSP/Servlets, JDBC, MySQL, HTML, CSS

Online Bus Ticket Booking System   Dec 2024
- Developed a full-stack Python web application enabling seamless bus ticket booking and schedule management.
- Built modules for operator-side controls, customer seat selection, booking history, and confirmation alerts.
- **Technologies:** Python, Flask/Django, HTML, CSS, JavaScript, MySQL

PPT Controller using Python   Nov 2023
- Developed a Python-based application enabling remote control of PowerPoint presentations using hand gestures.
- Implemented real-time gesture recognition for seamless slide navigation.
- **Technologies:** Python, OpenCV, MediaPipe

Technologies

Programming Languages: C, Java, SQL

Frameworks & Technologies: DBMS, HTML, CSS

Cloud & DevOps Tools: Jenkins, Docker, Kubernetes, Git, CI/CD Pipelines, Terraform

Database Systems: MySQL

Software Development Practices: Agile, Test-Driven Development (TDD)

Soft Skills: Problem-Solving, Team Collaboration, Communication, Adaptability

Certifications

- AWS Cloud Practitioner (May 2024 – May 2027)
- Red Hat Certified Enterprise Application Developer (Sep 2024)
- Salesforce AI Associate (Oct 2024)
- Fintech Professional Certificate, Fintech Council of India (July 2024)
- BEC Lingual Skill (Aug 2023 – Aug 2026)

Extra-Curricular Activities

Marketing Core, Kognitiv Club (Technical Club)   Aug 2023 – Present
- Managed marketing campaigns for technical events, webinars, and workshops, increasing participation.

Attendee, NVIDIA AI Summit   Oct 2024
- Explored innovations in AI and ML, including GPU optimization techniques.
- Networked with AI experts and gained exposure to NVIDIA's latest frameworks.