

Venkatesh Putla

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Summary

Computer Science and Artificial Intelligence student with hands-on experience in DevOps, web development, and IoT technologies. Skilled in managing Linux systems, building CI/CD pipelines with Jenkins and Git, and developing responsive web applications using HTML, CSS, and JavaScript. Proficient in Python, SQL, and AWS Cloud Platform, with a proven track record of optimizing server performance and automating deployments. Seeking to leverage technical expertise and problem-solving skills in a dynamic role.

Education

Bachelor of Computer Science and Artificial Intelligence

KKR and KSR Institute of Technology and Sciences, Guntur

November 2021 - March 2025

CGPA: 7.31

Work Experience

DevOps Intern

Synchronota Technologies

October 2024 - Present

- Managed Linux systems, configuring users, groups, permissions, and security settings to ensure system integrity.
- Developed and maintained CI/CD pipelines using Jenkins, Git, and related DevOps tools, reducing deployment time by 20%.
- Automated application deployments, enhancing consistency and reliability across environments.

- Monitored server health, proactively identified issues, and optimized resource utilization, improving uptime by 15%.

Web Development Intern

DDoS Solutions

July 2023 - August 2023

- Designed and built responsive web interfaces using HTML, CSS, and JavaScript, improving user engagement by 25%.
- Implemented front-end features with a focus on functionality and user experience, ensuring cross-platform compatibility.
- Optimized web performance through modern design principles, reducing load times by 10%.
- Debugged and resolved code issues, ensuring seamless functionality across browsers.

Projects

Restaurant Application

January 2024

- Developed a responsive restaurant application using HTML, CSS, and JavaScript, featuring dynamic menus and reservation systems.
- Implemented search functionality and real-time updates, enhancing user engagement by 30%.
- Optimized code for cross-platform compatibility and performance.

Soil Testing Robot Using IoT Technology

February 2024

- Built an IoT-based soil testing system using XML and sensors to monitor moisture, temperature, and nutrient levels.
- Analyzed sensor data to provide actionable insights, improving crop yield by 15%.
- Designed for precision agriculture, integrating real-time data collection and analysis.

Real-Time Object Detection System

October 2024

- Created a custom object detection model for real-time car detection using YOLOv11, Python, OpenCV, Roboflow, and Google Colab.
- Optimized datasets and trained the model, achieving 90% accuracy in detection.

Skills

- Programming Languages: Python, HTML, CSS, JavaScript, SQL
- Tools: VS Code, Jira, AWS Cloud Platform, Postman, Google Colab, Roboflow
- Technologies: Linux, Jenkins, Git, GitHub, CI/CD, IoT
- Frameworks: YOLOv11, OpenCV

Certifications

- Cloud Computing, NPTEL Online Course, IIT Kanpur, January 2023 - April 2023
- Web Development, Udemy Online Course, April 2023 - December 2023
- Networking and Web Technology, Infosys Springboard, May 2024 - September 2024