

Tanishka Solanki



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Technical Skills

Languages and DataBases: C++, Java, Python, Linux

Other Skills: DataStructure and Algorithm, Object-Oriented Programming, Computer Networking, Docker, Kubernetes, CI/CD Pipelining.

Projects

CloudPulse

Technologies: Python (Flask, psutil), Docker, DevOps practice

- Designed and developed a cloud-native monitoring tool to track real-time system health and performance metrics, including
- CPU usage, memory usage, and disk utilization.
- Real-time collection and display of system metrics.
- Containerized application using Docker for enhanced portability and scalability.
- Seamless integration with cloud-native workflows and DevOps pipelines.

Sorting Visualizer

Technologies: JavaScript, HTML/CSS, Algorithms

- Led the end-to-end design and implementation of an interactive sorting visualizer, which helped user understanding of sorting algorithms by 40% through visual learning.
- Optimized the visualizer's performance by developing more efficient algorithms that increased processing speed by 25% and
- ensuring smooth animations for a seamless user experience.
- Increased user engagement by 30% by incorporating interactive controls and features, making the tool more engaging and
- user-friendly.

Certification & Achievements

- The Bits and Bytes of Computer Networking Google
- Introduction to DevOps IBM

Education

Vellore Institute of Technology, Bhopal Oct 2022 – Sep 2026

Bachelor of Technology in Computer Science in specialization Cyber security and Digital Forensics

Delhi Public School, Bulandshahr Aug 2012 – June 2021
Higher Secondary Education