SONU YADAV

HARYANA | sonuyadav97297@gmail.com | 9729783390

SKILLS

- Programming: Python, Java, C/C++, SQL.
- Web Development: HTML, CSS, React.js.
- DevOps & Cloud: Docker, Jenkins, Bitbucket, GCP.
- Database: MySQL, SQL.
- Tools: Git, CI/CD Pipelines.
- Hardware & Networking: COA basics, Network Hardware.

Education

National Institute of Technology, Srinagar, Bachelor of Technology (Computer science Engineering) — Aug 2022 – JULY 2026

Lord Krishana Public School, XII (CBSE) — 85.6% – 2021

Lord Krishana Public School, X (CBSE) — 80% – 2019

Professional Experience

Research Intern | Indian Institute of Technology, Delhi — Dec 2024 – Jan 2025

- Conducted research internship at IIT Delhi (CRDT), engineering machine and deep learning models achieving 90%+ accuracy in cotton yield prediction and disease detection.
- Applied advanced data analytics, model optimization, and deployment strategies, delivering tech-enabled solutions that benefited 500+ farmers in Wardha, Maharashtra and advanced sustainable farming practices.

UX PROJECT LEAD, - [link] — Sep 2024

- Spearheaded end-to-end UX design for an Amazon-like e-commerce platform, crafting wireframes and adaptive prototypes to elevate user journeys and optimize interaction flows.
- Executed comprehensive user research and data-driven evaluations, enhancing usability to achieve a 22% uplift in checkout conversions and 30% surge in engagement, while orchestrating cross-functional collaboration to ensure seamless technical realization.

DevOps: Self initiated project, - [link] — June 2025

- Engineered and validated reusable Docker base images to accelerate multi-environment deployments, ensuring scalability and reliability.
- Integrated performance monitoring and security hardening while authoring comprehensive documentation to strengthen build efficiency, consistency, and cross-team collaboration.

Real-Time Network Traffic Visualizer, - [link] — Aug 2025

- Developed a Real-Time Network Traffic Visualizer using Python, Scapy, and Matplotlib, processing up to 1000 packets/sec and displaying live bandwidth over 60-second windows.
- Implemented protocol distribution and ICMP spike detection using deque, threading, and matplotlib animation, highlighting spikes 1000 bytes/sec for real-time analysis.

LANGUAGES

English (Full Professional Proficiency)

Hindi (Native or Bilingual Proficiency)