

SANYA AHUJA

+91 9810093041 || ssanya0905work@gmail.com

SKILLS

- **Programming Languages:** Java, Python, SQL, C++
- **DevOps and Cloud:** Docker, Kubernetes, CI/CD Pipelines, AWS, Infrastructure as Code
- **Backend Development:** Node.js, Python, Golang, Express.js, FastAPI, RESTful APIs
- **Frontend Development:** React.js, Next.js, Redux, Context API, UI/UX Collaboration
- **Security:** Authentication, Authorization (JWT), Linux, Penetration testing
- **Coursework:** Data Structures and Algorithms , OOPs, Competitive Programming

PROFESSIONAL EXPERIENCE

Sukashee Infra LLP

Jun 2024 - Jan 2025

Software Engineer Intern

Delhi, India

- Developed and **optimized RESTful APIs using Node.js, FastAPI, and Golang**, improving backend response time by 25% and enabling secure access control with **JWT, OAuth, and RBAC** implementations.
- Built full-stack modules using **React.js and Next.js** and collaborated on **CI/CD pipelines and Dockerized deployments with AWS and Kubernetes**, reducing deployment time by 40%.
- Applied concepts from **DSA, OOPs, and competitive programming** to debug, test, and secure applications, conducting **penetration testing to patch vulnerabilities** and ensure secure API development.

Outlier AI Labs

Dec 2024 - Feb 2025

AI Research Intern

Remote

- Developed and trained an **Outlier Mathematics Expert Model** using deep learning techniques.
- Fine-tuned AI models for **mathematical reasoning, problem-solving, and symbolic computation**.
- Researched and implemented novel AI approaches for **math-based generative AI models**.

PROJECTS

Secure Bug Bounty Management Platform

Nov 2024 - Mar 2025

Technologies: Java, MERN stack, Golang, JWT, Docker, CI/CD, AWS

- Developed a **full-stack platform** enabling organizations to **manage bug bounty programs securely**, with **researcher dashboards, triage workflows, and role-based access control** using **JWT**.
- Built **responsive UI** using **Next.js and React.js**, collaborating on UX flows for researchers and security teams; ensured seamless frontend-backend **integration with token-based auth**.
- Designed and implemented **scalable RESTful APIs** using **Node.js, Express.js, and FastAPI**, improving data retrieval **speed by 30%** and enabling seamless integration with frontend and third-party services.

ACHIEVEMENTS

- **Rank 2** out of 100 teams in **CTF LPU**.
- Solved more than **400 DSA problems** on various coding platforms.
- Secured an **All India rank 994** in CodeKaze 2024.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science

Lovely Professional University (LPU)

2022 - 2026