

# YASH SONI

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## EDUCATION

### Vellore Institute of Technology

Bachelor of Technology - Computer Science | Major in Cybersecurity

CGPA: 8.44/10

July 2021 - July 2025

## SKILLS

- **Programming Languages:** Python, Java
- **Frontend:** HTML5, CSS3, JavaScript, React.js, Next.js
- **Backend:** Node.js, Express.js
- **Database:** MySQL, MongoDB, SQL
- **Tools:** Git, GitHub, VS Code, Postman, Selenium
- **Core Subjects:** DSA, OOPs, Operating Systems, DBMS

## CERTIFICATE

- Software Engineering Job Simulation (JP Morgan)
- Google Cloud Computing Foundation (Google)

## WORK EXPERIENCE

### The Red Users (Intern)

(Nov 2024 - Dec 2024)

- Integrated security testing in MERN applications using Selenium and Postman, identifying and fixing XSS vulnerabilities to boost security by 30%.
- Applied ethical hacking techniques and forensic analysis to identify weak points early, improving application stability and user trust by 20%.
- Developed secure RESTful APIs with robust validation and authentication, reducing potential data exposure risks by 25%.

### ETHNUS CodeMitra (Intern)

(Aug 2023 - Dec 2023)

- Engineered responsive, secure web platforms with modern frameworks and API integrations, ensuring optimized functionality and user experience.
- Collaborated with cross-functional teams in Agile sprints, ensuring timely delivery and maintaining high project quality.
- Delivered BloodWave, a web application designed to simplify and digitalize the blood donation process, improving process efficiency by 40%.

## PROJECTS

### Mock Interview Platform | Tech: React.js, Node.js, Express.js, MongoDB, WebRTC

(Jan 2025)

- Implemented a full-featured mock interview application using React, Node.js, and WebRTC, enabling live interview simulations, secure authentication, and performance tracking through real-time analytics.
- Integrated recording and playback functionality using WebRTC, allowing self-evaluation and personalized progress tracking.
- Boosted student engagement and confidence by 40% by providing a real-world interview experience within a secure and user-friendly dashboard.

### BloodWave | Tech: React.js, Node.js, PostgreSQL, Express.js, RESTful APIs

(March 2024)

- Amplified the efficiency of the blood donation process by 40% through a full-stack web application integrating real-time notifications and secure authentication.
- Enhanced user experience by 35% by implementing geolocation-based blood bank discovery and filtered donor listings with mobile verification for account creation.
- Strengthened data confidentiality, integrity, and platform reliability by 25% using advanced encryption algorithms and secure authentication protocols.

### VMapCrimes | Tech: React.js, Node.js, MongoDB, Google Maps API, Leaflet.js

(February 2023)

- Boosted law enforcement decision-making by 25% by developing a crime-mapping platform offering visualized data insights for better strategic responses.
- Improved crime pattern analysis by 30% through geographical data visualization and real-time mapping of incident clusters.
- Streamlined safety initiatives by building an interactive dashboard that enhanced crime analysis and operational planning.

## EXTRACURRICULAR ACTIVITIES

### Achievements

- Won first place in the Scavenger Hunt CTF 2024 by OWASP Club at VIT Bhopal, showcasing cybersecurity excellence.
- Achieved Internal Finalist status in Smart India Hackathon 2023, demonstrating innovation and teamwork.
- Secured 2nd Runner Up in National Cyber Olympiad 2018, demonstrating strong logical reasoning.