

# YASH SONI

+91-9193649245 | ysoni1802@gmail.com | www.linkedin.com/in/yashsoni1809 | github.com/Yash1171

## EDUCATION

### Vellore Institute of Technology

Pursuing Bachelor of Technology in Computer Science, Major in Cybersecurity;  
CGPA: 8.35

Bhopal, India  
July 2025

## SKILLS

- **Programming Languages:** Python, SQL, Shell Scripting, Java
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Scripting & Automation:** Shell scripting, Python automation, cron jobs
- **Developer Tools:** Docker, Git, CI/CD Pipelines
- **Methodologies:** Agile, SDLC, Data Validation, Requirement Analysis
- **Testing:** Data validation testing, API testing, basic security checks
- **Research Application:** Applied Python and data science techniques in the research paper *"AI-Driven Phishing Detection"*, focusing on large dataset processing, feature engineering, and model evaluation

## CERTIFICATE

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

## WORK EXPERIENCE

### ETHNUS CodeMitra (Intern)

(Aug 2023 - Dec 2023)

- Developed full-stack web apps with optimized performance, secure authentication, and RESTful APIs, ensuring data integrity.
- Built responsive Next.js interfaces with security best practices, reducing bounce rates by 15% and boosting retention by 10%.
- Delivered "Gaming Hub," integrating WebSocket and MongoDB for encrypted real-time communication, enhancing engagement by 20%.

### The Red Users (Intern)

(Nov 2024 - Dec 2024)

- Conducted security testing using Selenium & Postman, identifying and ethically exploiting XSS vulnerabilities, enhancing security by 30%.
- Created detailed vulnerability reports, providing forensic-level security assessments and strategic mitigation strategies.
- Designed and deployed advanced lab environments to simulate real-world attack scenarios, enhancing hands-on expertise.

## PROJECTS

### BloodWave

(March 2024)

- Amplified the efficiency of the blood donation process by 40% through the development of a comprehensive web application, integrating real-time notifications, and secure authentication
- Enhanced user experience by 35% by deploying a geolocation feature to locate nearby blood banks and displaying filtered lists of specific blood type donors, while implementing mobile-verified account creation.
- Fortified data security and user trust by 25% by engineering robust authentication mechanisms and implementing advanced data encryption protocols to safeguard user information and communications.

### Gaming Hub

(November 2023)

- Accelerated social connectivity among gamers by 40% by architecting real-time communication features, enhancing user interaction within the platform.
- Streamlined the organization of meetups by 35% through the integration of scheduling and coordination tools, fostering seamless collaboration between players.
- Elevated user engagement by 30% by crafting customizable gaming profiles and enabling real-time communication, which enriched the interactive and immersive community experience.

### VMapCrimes

(February 2023)

- Boosted law enforcement decision-making by 25% through the development of a web application that provided visual crime data representation, improving operational insights.
- Configured crime analysis by 30% by constructing a system to identify patterns and trends through geographical crime data visualization.

- Streamlined strategic law enforcement efforts by building a platform that enhanced crime analysis, improved safety initiatives.

## EXTRACURRICULAR ACTIVITIES

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### 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.
- Claimed championship title in the annual inter-school badminton league, enhancing school spirit and sports participation.
- Active member, OWASP Club – Engaged in conducting and managing events, knowledge sharing, and hands-on CTF challenges.

### HOBBIES

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- **Dancing** – Passionate about expressive movement and choreography.
- **Badminton** – Enjoy playing recreationally and competitively to maintain agility and teamwork.
- **Piano Playing** – Skilled in playing the piano, enhancing creativity and concentration.