


# GAURAV SHIRSAT

Cyber Security Enthusiast

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## SUMMARY

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Aspiring Cyber Security professional pursuing B. Tech in Computer Science and Engineering with a focus on Cyber Security, gaining expertise in network security and ethical hacking

## EXPERIENCE

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Blockchain Security Intern — Block Intelligence  
June 2025

Jan 2025 –

- Conducted blockchain security research focusing on consensus mechanisms and threat modelling.
- Analyzed smart contracts for vulnerabilities using industry-standard security tools.
- Evaluated blockchain node behaviour to detect malicious activities and anomalies.
- Supported the development of an AI-based Sybil attack detection system.

## PROJECTS

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AI-Driven Sybil Attack Detection System (Sybil Guard)

- Built a hybrid FFNN + GNN model to detect Sybil nodes in blockchain networks.
- Simulated decentralized networks to analyze behaviour patterns and identify threats.
- Designed real-time detection modules to strengthen blockchain trust and resilience.

Java OOP Applications

- Developed multiple Java applications demonstrating implementation of OOP concepts.
- Built modular mini-systems using inheritance, polymorphism, exception handling, and threading.
- Applied clean code practices and optimized performance.

## ACHIEVEMENTS & CERTIFICATIONS

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- Winner — Ideathon 2024 (1st Position) by Barclays × Capgemini.
- Research paper published in IEEE and also accepted by Springer.

## TECHNICAL SKILLS AND INTEREST

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Programming: C, C++, Java (OOP), MySQL

Cybersecurity: Linux Security, Vulnerability Management, Cloud Security, OWASP Top 10

Tools: Burp Suite, Nmap, Metasploit, Wireshark

Area of Interest : Blockchain Security, Penetration testing , Network Security, Ethical hacking

Soft Skills : Leadership ,Public Relations , Communication ,Team Collaboration , Problem Solving ,Project Management,Time Management

## CERTIFICATIONS

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- Introduction to Cyber Security
- Penetration Testing
- Ethical Hacking Fundamentals
- Cyber Security Analyst — Forage
- Introduction to Networking — NVIDIA

## EDUCATION

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Bachelor of Technology — CSE (Cyber Security)

G.H. Rasoni College of Engineering, Pune (2021–2025) CGPA: 7.43 (till 6th semester)

Higher Secondary Certificate (HSC)

Shree Swami Samarth College of Science, Akola (2019–2020)  
Percentage: 93%

## INTERESTS

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Singing · Travelling · Learning Emerging Technologies