

## Chirag Gangwar

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Location: Phagwara , India

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## Professional Summary

Cybersecurity enthusiast with expertise in network security, penetration testing, and vulnerability assessment. Certified in with hands-on experience in developing security tools and conducting risk assessments. Passionate about ethical hacking, secure software development, and cybersecurity research.

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## Certifications & Events

- **Great Learning (Python for machine learning)**
- **CSE Pathshala (25 hours live training of DSA)**
- **Code Sprint 30+ hours live ethical hacking Industrial Training**
- **Byte Bash coding Hackathon**
- **Hack-IOT (72 hours hackathon) winner**
- **Free Code Camp (responsive website design)**

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## Technical Skills

- **Networking & Security:** Firewalls, IDS/IPS, VPNs, Wireshark, Nmap, Metasploit
- **Penetration Testing:** Kali Linux, Burp Suite, Exploit Development, Web & Network Pentesting
- **Programming:** Python, C++, Java, Bash scripting
- **Cloud & DevSecOps:** AWS Security, Docker, Kubernetes, CI/CD Security
- **Operating Systems:** Windows, Linux (Ubuntu, Kali), macOS

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## Projects

### Project V – Cross-Platform Vulnerability Scanner

- Developed a **Java-based vulnerability scanner** supporting Windows & Linux.
- Scans for **network vulnerabilities, open ports, and misconfigurations**.
- Implements real-time reporting and patch recommendations.

### Project Red – Advanced Cybersecurity Research Project

- Designed a **custom cybersecurity framework** for proactive threat detection.
- Integrated **AI-based anomaly detection** for early threat identification.
- Focused on **zero-day vulnerability analysis** and exploit development.

### Project Ja – A Machine learning model

- Designed using python libraries and trained on a 10 lakh parameter dataset .
- Used a open sourced data set which was pre-processes to train this using supervised learning which resulted to 93% accuracy.
- This model is trained to predict the solubility of organic compounds in universal solvent (Water) .

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## Education

**[Lovely Professional University]** - Bachelor of Technology (B.Tech) in computer science | 23-27

- Relevant Coursework: **Network Security, Ethical Hacking, Cryptography, System Security** , Post Quantum Encryption.

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## Achievements & Involvements

- **CTF Participant & Bug Bounty Hunter** – Active on platforms like **TryHackMe, Hack The Box**
- **Open-Source Contributor** – Contributed to cybersecurity tools and security research •  
**Published Research** – [If any, mention cybersecurity research papers or blogs]

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## Additional Information

- **Languages:** English, Hindi
- **Interests:** Red Teaming, Reverse Engineering, Malware Analysis