# Kushal patel

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## Professional Summary

Highly motivated **Cybersecurity Professional** with expertise in network security, penetration testing, and risk assessment. Skilled in ethical hacking, security operations, and vulnerability management. Adept at working with security tools like Wireshark, Nmap, and Metasploit. Passionate about safeguarding organizations against cyber threats and ensuring compliance with security standards.

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## Education

**Fleming College** – Peterborough, ON
**Diploma in Cybersecurity & Information Security** | 2024
Coursework: Network Security, Digital Forensics, Ethical Hacking, Incident Response, Security Operations

- Capstone Project: Designed and implemented a **secure database system with audit logging**

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## Technical Skills

- **Security Tools:** Wireshark, Nmap, Metasploit, Burp Suite, Snort, Nessus, Kali Linux

- **Networking & Security:** Firewalls, IDS/IPS, VPN, SIEM, Cloud Security, Encryption

- **Programming & Scripting:** Python, Bash, PowerShell, SQL

- **Compliance & Frameworks:** ISO 27001, NIST, SOC 2, GDPR

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## Certifications

- CompTIA Security+

- Basic Computer Skills Certificate

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## Projects & Experience

### Penetration Testing & Vulnerability Assessment

- Conducted **network scanning and penetration testing** using Nmap and Metasploit.

- Discovered and mitigated security vulnerabilities in web applications.

- Developed security recommendations to strengthen network defences.

### Secure Database Design

- Designed a **MySQL database with encryption and access controls**.

- Implemented audit logs to track user activities and detect anomalies.

### Incident Response & Digital Forensics

- Investigated and analysed security incidents using Wireshark and forensic tools.

- Created **detailed security incident reports** and recommended mitigation strategies.

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## Work Experience

### Cybersecurity Intern / IT Security Analyst

- Assisted in monitoring and analyzing network traffic for potential threats.

- Conducted **vulnerability assessments and security audits**.

- Worked with the **SOC team** to identify and mitigate security risks.

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## Additional Information

- Passionate about cybersecurity research and **ethical hacking challenges**.

- Active member of **cybersecurity forums and CTF competitions**.