

SAUMYA KUMAR

I POSSESS A PASSION FOR ENSURING THE CONFIDENTIALITY, INTEGRITY, AND AVAILABILITY OF INFORMATION SYSTEMS

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Skills

Web Development : Python | MySql | HTML | CSS | JS | Bootstrap | Flask | Django | Wordpress | Shopify | Wix

Cyber Security : Networking | Linux | Powershell | Wireshark | Nmap | Brup Suite | OWASP Top 10 | SQLMap | Metasploit | Hydra | MITRE ATT&CK & MITRE DEFEND mapping

GRC : ISO 27001 | NIST CSF | PCI DSS | GDPR | AWS Config | AWS IAM | Risk Assessment | Gap Analysis

Other : AWS(EC2,S3) | Github | Power BI | MS Excel

Work Experience

PGPL, Indore | Database Intern

Apr'23-Jun'23

- Enhanced data accuracy and optimized structures using MySQL.
- Collaborated cross-functionally, resolving issues, and implementing security measures

CLIQK MEDIA, New Delhi | Web Developer Intern

Mar'24-Jun'24

- Developed websites using PHP, WordPress, and Shopify platforms.
- Collaborated on website design, development, and deployment projects.
- Assisting in debugging and troubleshooting technical issues
- Keeping up-to-date with industry trends and technologies to suggest innovative solutions.

HackersForYou, New Delhi | GRC Intern

Mar'25-Jun'25

- Supported development of a compliance framework
- Mapped ISO 27001, to H4U's certification program
- Identified control gaps and suggested improvements
- Helped document findings for audit readiness

Education

Rashtriya Raksha University (Gandhinagar Gujarat)

2024-2026

- Master of Technology (M.Tech) in Cyber Security | CGPA: 7.83

Rajiv Gandhi Proudhyogiki Vishwavidyalaya , Bhopal), India

2020-2024

- Bachelor of Technology (B.Tech) in computer science engineering | CGPA: 8.0/10

Projects

Audit Rite

Aug'25

- Built an automated compliance auditing tool (AUDITRITE) with Next.js/TypeScript and Python backend.
- Integrated **MITRE ATT&CK** mapping for threat-aligned compliance insights.
- Achieved 95%+ accuracy in detecting misconfigurations and vulnerabilities.
- Deployed scalable, containerized architecture using Docker.

Stega Secure

Jan'25

- **Implemented** robust image-based steganography techniques, ensuring discreet message embedding and extraction
- **Integrated** an encryption feature using the cryptography library, bolstering security and confidentiality of hidden messages.
- **Created** an intuitive web interface with Flask, providing easy access to steganography functionalities for users.
- **Supported** multiple common image formats (PNG, JPG, JPEG), increasing the versatility and user convenience of the application.
- **Utilized** PIL (Pillow) library for efficient image processing, optimizing performance and compatibility across image formats.
- **100% Privacy Assurance** Guarantees complete data security by instantly deleting all processed information after extraction, leaving no traces.

Certifications

● AWS Certified Cloud Practitioner	Feb'23-Feb'26
● Microsoft Certified: Azure Administrator Associate	Jul'23-Jul'26
● Cyber Security 101 - TryHackMe	Oct'25
● Generic Online Training in Cyber Security (MeitY), government of India	Nov'22
● Python Essentials 1 & 2 – Cisco Networking Academy	May'25
● ISO/IEC 27001 LA - Mastermind	Oct'25

Publications

Privacy and Security in Cloud Computing: A survey ([Link](#)) Apr'22

- Published a research paper titled 'Privacy and Security in Cloud Computing: A Survey' in the **INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY**

Security and laws of Cyber / Cloud Computing ([Link](#)) Apr'23

- Published a research paper titled 'Security and laws of Cyber /cloud Computing' in the **INTERNATIONAL JOURNAL OF SCIENTIFIC DEVELOPMENT AND RESEARCH**

Academic and Extracurricular Achievements

● Proposed suggested rules for DPDPA 2025 .	Mar'25
● Developed a responsive mechanism to counter phishing attacks.	Feb'25
● Engaged in SMART INDIA HACKATHON 2024 , Featured 2nd rank out of 22 teams	Aug'24
● Delivered webinar on GRC at HackersForYou	Jan'24
● Participated in NCX(National CyberSecurity Exercise) 2025 and Stratex event , engaging with CISOs and CEOs from various government organizations to discuss the security of critical sectors in India .	Jul'25
● Participated in the 10th Bhopal Vigyan Mela 2023 , featured dynamic IoT project .	sep'23