

# SAUMYA KUMAR

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

saumyakumar8935@gmail.com | +91-8935857190 | [GITHUB.SAUMYAKUMAR07](#) | [SAUMYA KUMAR](#) | [THM S.KUMAR](#)

## Skills

**Languages:** Python | MySql | HTML | CSS

**Frameworks:** Bootstrap | Flask | Django | ISO 27001 | NIST

**Operating Systems:** Linux (Ubuntu, Kali)

**Tools:** AWS(EC2,S3, Config, IAM ) | Github | Power BI | MS Excel |

**CMS:** Wordpress | Shopify | Wix

**Skills:** Website Development | GRC

## 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

**CLIQ 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, GDPR, NIST, and COBIT 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

**Sagar Group of Institutions (SIRT 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

- |   |                 |
|---|-----------------|
| ● <b>AWS Certified</b> Cloud Practitioner                                       | Feb'23-Feb'26   |
| ● <b>Certified AppSec</b> Practitioner (SecOps)                                 | Apr' 23-Apr' 24 |
| ● <b>Microsoft Certified:</b> Azure Administrator Associate                     | Jul'23-Jul'26   |
| ● Generic Online Training in Cyber Security (MeitY), <b>government of India</b> | Nov'22          |
| ● <b>Python Essentials 1 &amp; 2</b> – Cisco Networking Academy                 | May'25          |

## Publications

<b>Privacy and Security in Cloud Computing: A survey</b> ( <a href="#">Link</a> )	Apr'22
---	--------

- Published a research paper titled 'Privacy and Security in Cloud Computing: A Survey' in the International Journal of Innovative Research in Technology (IJIRT)

<b>Security and laws of Cyber / Cloud Computing</b> ( <a href="#">Link</a> )	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 <b>DPDPA 2025</b> .   | Mar'02 |
| ● Developed a <b>responsive mechanism</b> to counter phishing attacks.   | Feb'25 |
| ● Engaged in <b>SMART INDIA HACKATHON 2024</b> , Featured 2nd rank out of 22 teams   | Aug'24 |
| ● Participated in the <b>10th Bhopal Vigyan Mela 2023</b> , featured dynamic <b>IoT project</b> .  | sep'23 |
| ● Delivered webinar on <b>GRC</b> at <b>HackersForYou</b>  | Jan'24 |
| ● Participated in <b>CII SEX 2025</b> and <b>Stratex event</b> , engaging with <b>CISOs and CEOs</b> from various government organizations to discuss the security of <b>critical sectors in India</b> . | Apr'25 |