

# SAUMYA KUMAR

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

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## Skills

Object-Oriented Programming | Linux | Python | Cloud Computing | JavaScript | Amazon Web Services (AWS) | SQL | Github | HTML | CSS

## Work Experience

**PGPL , Indore | Database Intern** Apr' 23 - Jun' 23

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

## Education

**Sagar Group of Institutions (SIRT Bhopal), India** 2020-2024

- Bachelor of Technology (B.Tech) in computer engineering | CGPA: 7.97/10

**Global International school, Bihar** 2019-2020

- CBSE (Class XII), Aggregate: 63.80%

## Projects

**Laser Detection Security System** Mar'23

Developed a **Security System** using **IOT**.

- Devised and deployed an **IoT-powered Security System** for user alerts and **intruder image capture**, showcasing hands-on real world skills for the point of view of security of the system.
- Applied in real **security breaches**, providing 80% tangible evidence and highlighting **practical innovation**

**PI NAS** Dec'22

Applied in real-world scenarios where Other **NAS devices** at too expensive compared to homemade **PI NAS**

- Developed and implemented an IoT-driven Network Storage System, boosting data accessibility by 20%, improving storage efficiency by 30%, and achieving 99.9% uptime, reducing costs by 15%.
- The DIY project is a 50% efficiency solution for file storage in the private sector.

## Academic and Extracurricular Achievements

- Acknowledged for volunteering at "Codebite 2k23" by Sheryians Coding School. Mar'23
- Volunteering at Marathon (**AHIMSA RUN**) Issued by **IIFL ( JITO )**, Apr'23
- Participated in the **10th Bhopal Vigyan Mela 2023**, featuring a dynamic **IoT project** exhibit. Sep'15
- Engaged in **SMART INDIA HACKATHON 2022**, Sustaining upkeep for over 1000 people. Mar'22

## Certifications And Publications

- AWS Certified Cloud Practitioner** (foundational knowledge of AWS cloud services) Feb'23-Feb'26
- Certified AppSec Practitioner (CAP)** (knowledge on the concepts of **application security**) Mar'23-Mar'26
- Generic Online Training in **Cyber Security** (Ministry of Electronics and Information Technology) (MeitY) , **government of India.** Nov'22
- Crash course on **Python** Aug'23
- Privacy and Security in Cloud Computing** ( **IJIRT Journal** , Volume 8, Issue 11, [ijirt.Article.manuscript](#)) Apr'22
- Security and laws of Cyber / cloud Computing** ( **IJS DR Journal** , Volume 8 Issue 4, [ijsdr.org/viewpaper](https://ijsdr.org/viewpaper) ) Apr'23