SAUMYA KUMAR

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

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Skills

Python | OOPs | Linux | AWS | Javascript | MySQL | Git | Github | HTML | CSS | Bootstrap | React | Django | Azure

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

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

RAM Cryptographic algorithm   **sep'23**

- Engineered a secure algorithm using multi-key encryption, reducing brute force vulnerability.
- Implemented encryption methods, lowering brute force risks through intricate key structures.
- Addressed challenges in encrypting multimedia data, contributing to improved digital security practices.
- Uncovered vulnerabilities in modern ciphers, paving the way for fortified digital security.

Log Analytics Solution (AWS)   **Aug'23**

- Implemented a scalable Log Analytics Solution on AWS, analyzing over 10 million logs daily to enhance operational efficiency and provide real-time insights organization-wide.
- Strengthened security with advanced encryption protocols and real-time threat monitoring, resulting in a 20% improvement in data protection and threat detection capabilities.
- Achieved a notable 30% enhancement in operational efficiency through the implementation of robust security measures.

PI NAS   **Dec'22**

- Developed and executed an innovative IoT Network Attached Storage using Raspberry Pi which Enabled seamless operations in real-world scenarios, enhancing organizational efficiency.
- Drove a 20% increase in data accessibility, enhancing overall data availability.
- Optimized storage efficiency by 30%, ensuring resource utilization at peak efficiency.
- Replaced costly commercial NAS devices with a homemade solution and Resulted in a significant 15% cost reduction for the organization.
- Delivered superior performance and Realized cost savings of 50%+, providing a cost-effective storage alternative.

Certifications And Publications

- AWS Certified Cloud Practitioner   **Feb'23-Feb26**
- Certified AppSec Practitioner (SecOps)   **Apr' 23-Apr' 24**
- Generic Online Training in Cyber Security (MeitY), government of India   **Nov'22**
- Crash course on Python (Google)   **Aug'23**
- Privacy and Security in Cloud Computing (IJIRT Journal , Volume 8, Issue 11) **Apr'22**
- Security and laws of Cyber / cloud Computing (IJSDR Journal, Volume 8 Issue 4) **Apr'23**

Academic and Extracurricular Achievements

- Engaged in **SMART INDIA HACKATHON 2022,** Sustaining upkeep for over 1000 people   **Mar'22**
- Participated in the **10th Bhopal Vigyan Mela 2023,** featured dynamic **IoT project.**   **sep'23**
- Acknowledged for volunteering at "Codebite 2k23" by Sheryians Coding School.   **Mar'23**