

Suman Garai

tech aficionado • eccentric • gamer

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Profiles

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Summary

Possessing a fervent passion for Cybersecurity and decentralized technologies, a solid foundation in both fields is established, through active engagement in CTFs, research publications, and portfolio-related activities. The focus is on expanding expertise in Cybersecurity, particularly in its convergence with Blockchain and Artificial Intelligence. With a comprehensive understanding of Governance, Risk, and Compliance (GRC) and Blue Teaming, the zeal for solving problems propels my engagement with challenges. This is accomplished through diligent research and perseverance, when troubleshooting IT-related issues that emerge in everyday life. Foundationally strong in several scripting languages and GitHub. Known for meticulous attention to detail and precision, with a consistently collaborative approach to every task. Aspiring to specialize as an Incident Responder or evolve into a Security Auditor, the objective is to proactively pinpoint and alleviate threats and risks, both prior to and following their manifestation. Maintaining a steadfast dedication to continual professional development within the industry, ensuring that expertise and comprehension remain in sync with technological advancements.

Experience

Cyber Sapiens United LLP 2023-02-20 to 2023-08-17
Cyber Security Intern Remote
Website

As part of my daily routine, I have been given diverse responsibilities that involve:

- Testing and assessing the functionality, design, and usability of websites.
- Carrying out investigations on various subjects and tools.
- Leading workshops or talks on different subjects.
- Drafting informative material on a wide range of topics.

Through these assignments, I have acquired a solid aptitude for website testing, research, presentation skills, and content creation. Furthermore, I have gained valuable experience in juggling several tasks and completing them within stringent time frames, while ensuring that the outcomes are of exceptional quality.

Education

KiIT Deemed-to-be-University, School of Computer Applications, Bhubaneshwar 2023-08-16 to 2025-05-31
Computer Science Masters of Sciences
8.4 SGPA
Website

Jain Deemed-to-be-University, School of CS & IT, Jayanagar 2020-07-01 to 2023-05-31
Information Security & Mobile Applications Bachelors of Computer Applications
8.1 CGPA
Website

Hem Sheela Model School, Durgapur 2018-04-01 to 2023-03-21
Commerce AISSCE (CBSE)
B1
Website







Skills

Information Security Beginner nmap, Maltego, Nessus, Metasploit, Burp Suite, theHarvester, hping3, Spiderfoot, DirBuster, assetfinder, OSINT Framework, Wireshark, etc.	Digital Forensics Beginner SysInternals, Autopsy, Volatility Framework, Helix3, Email Dossier, FTK Imager, Data Recovery, Email Forensics, Steganography, etc.	IT Governance & Risk Management Beginner ISO 27000, COBIT 5, RISK & VAL IT, ISO 31000, NIST 800, PCIDSS, HIPAA	Technologies Beginner Python, C, C++, SQL, Linux, Hyperledger (Composer), Core IT Skills
Web Development Beginner HTML 5, CSS 3, Canva Websites , Github Pages	Networking Beginner TCP/IP Model, OSI Model, IPv4 Subnetting, Protocols, Cisco Packet Tracer, Core Networking Skills, etc.	Miscellaneous Beginner VAPT, Cyber Threat Hunting (CTH), Purple Teaming, Drawing, Web Application Security	Soft Skills Communication, Adaptability, Conflict Resolution, Creativity, Time Management, Problem Solving, Collaboration, Critical Analysis, Attention-to-detail, Teamwork



Publications

Exploring the Landscape of Password Managers for Individual Users Through Innovative Solution April 2024 Springer Nature DOI The study aims to identify the best factors for creating the most secure password management system in today's world, providing insights on designing a secure and user-friendly password generation, storage, and retrieval system.	Emerging Trends in Cybersecurity: A Holistic View on Current Threats, Assessing Solutions, and Pioneering New Frontiers April 2024 Blockchain in Healthcare Today (BHTY) DOI This research proposes a cybersecurity framework, evaluated against existing defenses, to navigate and mitigate the complexities of the ever-evolving digital threat landscape.
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Certifications

Google Cybersecurity Professional Certificate Coursera, Identity India & Grow with Google  Badge The Cybersecurity Certificate program equips participants with foundational skills for entry-level roles, utilizing industry-standard tools like Python, Linux, SQL, SIEM, and IDS.	2024-07-08	Certified in Cybersecurity (CC) (ISC)2  Badge (ISC)2 Certified in Cybersecurity program provides professionals with globally recognized skills and knowledge to manage cybersecurity programs, covering topics such as risk management, incident response, and governance for entry-level positions.	2023-01-06
Cisco Certified Network Associate (CCNA v7) Course Cisco NetAcad  Badges A foundational certification covering essential networking concepts like IP connectivity and network access. It prepares individuals for network administration by providing practical skills and theoretical knowledge.	2024-06-06	Google AI Essentials Grow with Google on Coursera & Identity India  Badge It covers AI basics, productivity tools, prompt engineering, and responsible use. Taught by Google experts, the course includes Productivity with AI Tools, Prompt Engineering, Responsible AI, and AI Future Trends.	2024-06-02
Google Cloud Career Practitioner Google Developer Student Club - FET JU  Certificate Link Google Cloud Career Practitioner equips learners with cloud computing knowledge and skills through GCP modules, labs, and exercises.	2023-02-15	Security+ (Plus) SY0-701 CompTIA  Official Site It focuses on core cybersecurity principles, including risk management, cryptography, threat detection, secure network architecture, compliance, identity management, incident response, and security operations.	Preparing

Projects

Decentralized Supply Chain Web Application This Project is a part of Jain University Final Semester Activity.  Github Repository This project intends on providing a working model of augmenting blockchain technology into supply chain with the aim of providing a much more efficient and a reliable system. Hyperledger, Composer, Javascript	2022-12-15 to 2023-03-18	Portfolio Activity Different CyberSec Related Activity  Website I have developed a strong cybersecurity portfolio by completing activities on the Forage and Security Team Blue platforms, and earning the Google Cybersecurity Professional Certification. Additionally, I have hands-on experience from my bachelor's degree in information security. Blue Teaming, Risk Assessment, SQL, Linux, Network Analysis, Documentation	July 2022 to Present
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Acheivements

Certificate of Presentation - 2nd ICRDSTEM Uttunga & School of CS & IT, Jain University  Certificates Awarded ICRDSTEM focuses on Science, Technology, Engineering, and Management, offering a platform for academics and professionals to discuss advancements. <u>ICRDSTEM-2023</u> , our 2nd International Conference, facilitates interaction among researchers and experts to share technological insights.	March 2023	Certificate of Participation - Pentathlon NCIIPC & AICTE  Certificate NCIIPC in collaboration with AICTE had conducted <u>India's first national-level VAPT exercise</u> opening up the opportunity for all technical colleges and universities in India to participate in a challenge designed to resemble and mimic the real-world CII entities. This challenge aims to create a talented pool of ethical hackers/pen testers to find vulnerabilities in critical information infrastructure systems	April 2024
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Languages

English 	Hindi 	Bengali 
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Volunteering

ISC2 Foundation Exam Developer  Website I volunteered as a cybersecurity SME, drafting and reviewing exam questions to ensure rigorous, relevant content, supporting future professionals in their certification journey and contributing to the field's development.	05-06-2024 Remote	Uttunga - The Student Research Forum Tech Team Member  Forum Acknowledgement Page As a member of the team, my primary responsibility was to draft questions and provide support during events such as hackathons, working primarily behind the scenes.	2020-11-15 - 2023-01-18 Jain Deemed-to-be-University
National Service Scheme (NSS) Documentation Team Member  Website My role in the team was to document events with written records and photos.	2022-07-15 - 2023-04-18 Jain Deemed-to-be-University		

References

Dr. Taskeen Zaidi Subject Teacher & Project Guide; Associate Professor, Jain University (School of CS & IT) Email-ID: t.zaidi@jainuniversity.ac.in	Dr. Sanjeev Kumar Mandal Final Year Project Guide & Research Guide; Assistant Professor, Jain University (School of CS & IT) Email-ID: km.sanjeev@jainuniversity.ac.in
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