

Suman Garai

tech aficionado • eccentric • gamer

Durgapur, West Bengal, India, 713205 | +91 77181 58733 | mr.sumangarai.3122@gmail.com | eFolio

Profiles

aka-0x4c3dd 0x4C3DD aka-0x4C3DD aka.0x4C3DD 0x4C3DD

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

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



Publications

<b>Exploring the Landscape of Password Managers for Individual Users Through Innovative Solution</b> 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.	<b>Emerging Trends in Cybersecurity: A Holistic View on Current Threats, Assessing Solutions, and Pioneering New Frontiers</b> 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.
---	--

Certifications

<b>Google Cybersecurity Professional Certificate</b> Coursera, Identity India & Grow with Google  <a href="#">Badge</a> The Cybersecurity Certificate program equips participants with foundational skills for entry-level roles, utilizing industry-standard tools like Python, Linux, SQL, SIEM, and IDS.	<b>2024-07-08</b>	<b>Certified in Cybersecurity (CC)</b> (ISC)2  <a href="#">Badge</a> (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.	<b>2023-01-06</b>
<b>Cisco Certified Network Associate (CCNA v7) Course</b> Cisco NetAcad  <a href="#">Badges</a> 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.	<b>2024-06-06</b>	<b>Google AI Essentials</b> Grow with Google on Coursera & Identity India  <a href="#">Badge</a> 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.	<b>2024-06-02</b>
<b>Google Cloud Career Practitioner</b> Google Developer Student Club - FET JU  <a href="#">Certificate Link</a> Google Cloud Career Practitioner equips learners with cloud computing knowledge and skills through GCP modules, labs, and exercises.	<b>2023-02-15</b>	<b>Security+ (Plus) SY0-701</b> CompTIA  <a href="#">Official Site</a> It focuses on core cybersecurity principles, including risk management, cryptography, threat detection, secure network architecture, compliance, identity management, incident response, and security operations.	<b>Preparing</b>

Projects

<b>Decentralized Supply Chain Web Application</b> This Project is a part of Jain University Final Semester Activity.  <a href="#">Github Repository</a> 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	<b>2022-12-15 to 2023-03-18</b>	<b>Portfolio Activity</b> Different CyberSec Related Activity  <a href="#">Website</a> 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	<b>July 2022 to Present</b>
---	---------------------------------	--	-----------------------------



Acheivements

<b>Certificate of Presentation - 2nd ICRDSTEM</b> Uttunga & School of CS & IT, Jain University  <a href="#">Certificates Awarded</a> 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.	<b>March 2023</b>	<b>Certificate of Participation - Pentathlon</b> NCIIPC & AICTE  <a href="#">Certificate</a> 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	<b>April 2024</b>
---	-------------------	---	-------------------

Languages

<b>English</b> 	<b>Hindi</b> 	<b>Bengali</b> 
--	---	---

Volunteering

<b>ISC2 Foundation</b> Exam Developer  <a href="#">Website</a> 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.	<b>05-06-2024</b> Remote	<b>Uttunga - The Student Research Forum</b> Tech Team Member  <a href="#">Forum Acknowledgement Page</a> 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.	<b>2020-11-15 - 2023-01-18</b> Jain Deemed-to-be-University
<b>National Service Scheme (NSS)</b> Documentation Team Member  <a href="#">Website</a> My role in the team was to document events with written records and photos.	<b>2022-07-15 - 2023-04-18</b> Jain Deemed-to-be-University		

References

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