

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

Cyber Security Intern

Website

2023-02-20 to 2023-08-17

Remote

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

- Proficient in testing website functionality, design, and usability to ensure optimal performance.
- Skilled in conducting in-depth research on diverse subjects and tools.
- Experienced in delivering engaging workshops and presentations on various topics.
- Adept at creating informative and high-quality content across multiple domains.
- Strong ability to manage multiple responsibilities efficiently, meeting tight deadlines with exceptional results.

Education

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| Kiit Deemed-to-be-University, School of Computer Applications, Bhubaneshwar Computer Science 8.27 CGPA <div><div></div>Website</div> | 2023-08-16 to 2025-05-31 Masters of Sciences | Jain Deemed-to-be-University, School of CS & IT, Jayanagar Information Security & Mobile Applications 8.1 CGPA <div><div></div>Website</div> | 2020-07-01 to 2023-05-31 Bachelors of Computer Applications |
| Hem Sheela Model School, Durgapur Commerce B1 <div><div></div>Website</div> | 2018-04-01 to 2023-03-21 AISSE (CBSE) | Hem Sheela Model School, Durgapur Fundamentals A2 <div><div></div>Website</div> | 2006-04-01 to 2018-03-30 AISSE (CBSE) |

Languages

English

Hindi

Bengali

Skills

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| Information Security Beginner nmap, Maltego, Nessus, Metasploit, Burp Suite, OSINT Framework, Wireshark, 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, Bourne Again SHell, Rust | Networking Beginner TCP/IP Model, OSI Model, IPv4 Subnetting, Protocols, Cisco Packet Tracer, Core Netwoking Skills, etc. |
| Digital Forensics Beginner SysInternals, Autopsy, Volatility Framework, Helix3, FTK Imager, Data Recovery, Email Forensics, Steganography, etc. | Web Development Beginner HTML 5, CSS 3, Canva Websites , Github Pages, Typescript | Miscellaneous Beginner VAPT, Cyber Threat Hunting (CTH), Purple Teaming, Drawing, Web Application Security | Soft Skills Communication, Adaptablity, Conflict Resolution, Creativity, Time Management, Problem Solving, Collaboration, Critical Analysis, Attention-to-detail, Teamwork |

Publications

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| Exploring the Landscape of Password Managers for Individual Users Through Innovative Solution Springer Nature <div><div></div>DOI</div> <p>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.</p> | April 2024 | Emerging Trends in Cybersecurity: A Holistic View on Current Threats, Assessing Solutions, and Pioneering New Frontiers Blockchain in Healthcare Today (BHTY) <div><div></div>DOI</div> <p>This research proposes a cybersecurity framework, evaluated against existing defenses, to navigate and mitigate the complexities of the ever-evolving digital threat landscape.</p> | April 2024 |
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| <div>Certifications</div> | | | | |
| <div> <div>Security+ (Plus) SY0-701</div> <div>CompTIA</div> <div> Google Cybersecurity Badge </div> </div> <div> A vendor-neutral, foundational cybersecurity certification that validates essential skills across multiple domains, valued by IT security professionals and often required for cybersecurity roles. </div> | <div> <div>Preparing</div> </div> | <div> <div>Cisco CyberOps (CBROPS v1)</div> <div>Cisco NetAcad</div> <div> Badge </div> </div> <div> This trains and validates SOC analysts' skills in security monitoring, host and network analysis, incident response, and security tools through hands-on labs. </div> | <div> <div>2025-01-15</div> </div> | <div> <div>Certified in CybersecuritySM</div> <div>ISC2</div> <div> Badge </div> </div> <div> The program provides professionals with globally recognized cybersecurity skills, covering risk management, incident response, and governance for entry-level roles positions. </div> |
| <div> <div>Product Management Professional Certificate</div> <div>NASBA; IIBA; PMI; AHA; LinkedIn Learning</div> <div> Certificate </div> </div> <div> The certificate, provides foundational knowledge in product management, covering topics such as product development stages, strategy setting, and roadmap creation. </div> | <div> <div>November 2024</div> </div> | <div> <div>Google Cloud Career Practitioner</div> <div>Google Developer Student Club - FET JU</div> <div> Certificate </div> </div> <div> This Program is an initiative that provides learners with practical skills in cloud computing through hands-on experience with Google Cloud Platform (GCP) modules, labs, and exercises </div> | <div> <div>2023-02-15</div> </div> | |
| <div>Projects</div> | | | | |
| <div> <div>Portfolio Activity</div> <div>Different CyberSec Related Activity</div> <div> Website </div> </div> <div> I built a strong cybersecurity portfolio through Forage and Security Team Blue activities, the Google Cybersecurity Professional Certification, and hands-on experience from my bachelor's in information security. </div> <div> blue teaming, risk assessment, sql, linux, network analysis, documentation </div> | <div> <div>July 2022 to Present</div> </div> | <div> <div>EVM Bootcamp Q4 2024</div> <div>Conducted by Encode Club</div> <div> Documentation </div> </div> <div> We created this repository to showcase our projects and assignments, where my contributions focused on completing the weekly tasks and developing test cases for the messenger application. </div> <div> evm, solidity, hardhat, typescript </div> | <div> <div>October to December 2024</div> </div> | |
| <div> <div>Solana Bootcamp Q4 2024</div> <div>Conducted by Encode Club</div> <div> Github Repository </div> </div> <div> We developed this repository to showcase our Token Escrow project, where my contribution focused on developing the withdrawal function, including coding the library and SDK, as well as writing test cases. </div> <div> solana-cli, rust, node, typescript, anchor </div> | <div> <div>November to December 2024</div> </div> | <div> <div>Supply Chain Web dApplication</div> <div>This Project is a part of Jain University Final Semester Activity.</div> <div> Github Repository </div> </div> <div> 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. </div> <div> hyperledger, composer, javascript </div> | <div> <div>2022-12-15 to 2023-03-18</div> </div> | |
| <div>Acheivements</div> | | | | |
| <div> <div>Certificate of Presentation - 2nd ICRDSTEM</div> <div>Uttunga & School of CS & IT, Jain University</div> <div> Certificates </div> </div> <div> ICRDSTEM-2023, our 2nd International Conference, provides a global platform for academics and professionals in Science, Technology, Engineering, and Management to exchange insights and discuss advancements. </div> | <div> <div>March 2023</div> </div> | <div> <div>Certificate of Participation - Pentathlon</div> <div>NCIIPC & AICTE</div> <div> Certificate </div> </div> <div> NCIIPC in collaboration with AICTE had conducted India's first nation al-level VAPT exercise, engaging colleges and universities in a real-world-inspired challenge to develop a skilled pool of pen-testers for securing critical information infrastructure. </div> | <div> <div>April 2024</div> </div> | |
| <div>Volunteering</div> | | | | |
| <div> <div>ISC2 Foundation</div> <div>Exam Developer</div> <div> Badge </div> </div> <div> I volunteer 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. </div> | <div> <div>05-06-2024 to Present</div> <div>Remote</div> </div> | <div> <div>Uttunga - The Student Research Forum</div> <div>Tech Team Member</div> <div> Membership Certificate </div> </div> <div> 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. </div> | <div> <div>2020-11-15 - 2023-01-18</div> <div>Jain Deemed-to-be-University</div> </div> | |
| <div> <div>CSIRT.global</div> <div>Research Volunteer</div> <div> Website </div> </div> <div> Conducting security assessments of web applications, identifying and reporting vulnerabilities to help organizations strengthen their security posture and protect against cyber threats. </div> | <div> <div>October 2024 to Present</div> <div>Remote</div> </div> | <div> <div>National Service Scheme (NSS)</div> <div>Documentation Team Member</div> <div> Website </div> </div> <div> I was working with the team, responsible for documenting events with written records and photos, maintaining official records throughout the year for reference and future planning. </div> | <div> <div>2022-07-15 - 2023-04-18</div> <div>Jain Deemed-to-be-University</div> </div> | |
| <div>References</div> | | | | |
| <div> <div>Dr. Taskeen Zaidi</div> <div>Subject Teacher & Project Guide; Associate Professor, Jain University (School of CS & IT)</div> <div>Email-ID: t.zaidi@jainuniversity.ac.in</div> </div> | | <div> <div>Dr. Sanjeev Kumar Mandal</div> <div>Final Year Project Guide & Research Guide; Assistant Professor, Jain University (School of CS & IT)</div> <div>Email-ID: km.sanjeev@jainuniversity.ac.in</div> </div> | | |