TIRTHABRATA MANDAL

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PROFESSIONAL SUMMARY

Dedicated and detail-oriented Digital Forensics undergraduate with strong foundational knowledge in cybersecurity, incident response, and digital investigations. Currently enhancing technical skills through an internship as a SOC Analyst Intern. Passionate about cybersecurity operations, threat analysis, and digital risk management. Committed to continuous upskilling and aiming for a future as a developer with a focus on secure system design.

EDUCATION

Indian School of Ethical Hacking – Kolkata, West Bengal

Bachelor of Science in Digital Forensics

- **Related Coursework**: Network Security, Ethical Hacking, Digital Evidence Collection, Incident Response, Coding
- **CGPA:** 8.04

RELEVANT EXPERIENCE

SOC Analyst Intern- ISOAH Data Security Pvt Ltd

Kolkata, West Bengal   November 2024 - Present

- Monitor and analyze security events using SIEM tools to detect and respond to threats
- Investigate alerts and escalate incidents as per established protocols
- Document findings and assist in improving incident response playbooks
- Participate in team meetings and training sessions to strengthen threat detection capabilities

Frontend Development Intern – NullClass

Remote   February 2024 - June 2024

- Gained hands-on experience in frontend technologies including HTML, CSS, JavaScript, and React
- Built interactive and responsive user interfaces based on real-world project requirements
- Participated in code reviews and received feedback to improve code quality and development practices

PROJECTS

- Snake Game (Python):
  Created a classic Snake game using Python and the pygame library. Implemented game loop, collision detection, score tracking, and dynamic difficulty features.
- Robo Speaker (Python):
  Developed a simple voice assistant using Python's pyttsx3 and speech_recognition libraries. Enabled text-to-speech and basic voice command responses.

Certification:
- Python Programming – GUVI
- Frontend Web Development – Great Learning
- Ethical Hacking for Beginners – SkillUp by Simplilearn
- Ethical Hacking – Internshala
- Certified Cyber Warrior – Hackingflix

Skills:

Cybersecurity & Forensics Tools:
 SIEM tool like Seceon, Nmap, Wireshark, Burp Suite, Metasploit, Nessus

Security Frameworks & Standards:
 OWASP Top 10, MITRE ATT&CK Framework, Secure SDLC, Incident Response Lifecycle

Programming & Scripting:
 Python, JavaScript, HTML5, CSS3

Technical Competencies:
 Log Analysis, Vulnerability Assessment, Threat Detection, Report Writing

Software & Utilities:
 Visual Studio Code, Microsoft Excel, MS Word

Languages Known:
 English, Bengali, Hindi