

DIVYARANJAN SAHOO

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EXPERIENCE:

- Nebula Space Organization**
Deputy Director of Programming Dept

KIIT, Bhubaneswar
November 2023 - Present
- Identifying requirements and planning development of core programs for a GRB-detecting satellite, for black hole research.
 - Led an agile team of 9 in managing the CubeSat software lifecycle, collaborating closely with cross-functional teams.
 - Establishing a comprehensive test environment with 90-95% coverage, reducing integration issues by 45%.
- Independent Cybersecurity Research**

November 2019 - 2022
- Exploited 3 Android devices in a controlled environment using payload-injected APKs via the Metasploit framework, uncovering 9 critical security gaps and recommending 6 protective measures.
 - Injected custom DNS into a router and logged 150+ Wi-Fi requests using Cisco Umbrella service to analyze network traffic.
 - Conducted ethical hacking simulations, exploited Wi-Fi passwords using WPS loopholes and brute force methods with a 60% success rate, and analyzed 300+ packets with Wireshark to capture unprotected passwords posted over HTTP.

PROJECTS:

1. **Developed a Health and Wellness App** using react native and MERN stack.

August 2024
2. **Implemented Network monitor** using raspberry pi for real time network traffic and active hosts.

December 2023
3. **Created an Income tax calculator** using python and MySQL database management system..

November 2021

EDUCATION:

- Bachelor of Technology**
Kalinga Institute of Industrial Technology

November 2021 - 8.00 CGPA
- Completed specialization in Data Structures, OS, OOP Concept , ML, Cloud Computing, Computational Intelligence
- Higher Secondary School**
No 1 Air Force School, Gwalior - 474020

June 2021 - 95.2 Percentage
- Completed coursework in Computer Science With Python.

OTHER:

- Certifications:** Cisco Certified Network Associate v7, PCAP: Programming Essentials in Python, Cybersecurity Essentials, Fundamentals of Red Hat Enterprise Linux, AWS Academy Introduction to Cloud Semester 1.
- Volunteering:** Mentored novice students in python, teaching basic programming concepts to them.
- Extracurricular:** Participated in the Hackathon - Capture the flag, 2024 challenge organized by KPMG, Served as campus Ambassador at Cisco as the primary contact for prospective students (2023).
- Achievements:** First runner up in the DRDE Establishment Exhibition (2019), Star Performer in class 11th (2020).

TECHNICAL SKILLS:

- Languages :** Python , C/C++ (Novice), JavaScript (Novice), Shell Script (Novice), React Native (Novice).
- Development Tools and Concepts :** MERN stack, Postman, REST API , Git version control, Data Analytics, SQL, MongoDB
- Software and Applications :** Visual Studio Code, Github, Notion, Figma, LucidChart, Microsoft Teams.
- Soft Skills :** Cross-functional team collaboration, Adaptable, Analytical thinking, Conflict resolution, Resilient to setbacks.