Malvinia Melvinfee Dunn

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SKILLS

- **Languages**: C++, Solidity, Python
- **Operating Systems**: Linux (Ubuntu, Kali, Red Hat), Windows
- **Tools/Platforms**: Metamask, Tuffle
- **Soft Skills**: Problem-Solving Skills, Team Player, Effective Communication, Adaptability, Goal Getter.

INTERNSHIP

Red Hat System Administration   Jun 2024 – Jul 2024

Cybersecurity Trainee

- Linux System Basics: Understanding the fundamentals of Linux-based systems, including file system structure, command-line tools, and working with user management.
- Package Management: Learning how to install, update, and remove software packages using Red Hat Package Manager (RPM) and YUM (Yellowdog Updater, Modified).
- System Monitoring: Gained skills in monitoring system performance, resources (CPU, memory, disk), and managing logs.
- Network Configuration: Configuring network interfaces and troubleshooting networking issues.

PROJECTS

Phantom: Nov-2024

- Developed a beginner-friendly Phantom Drone kit with an instructional guide.
- Simplified hardware and software integration for easy assembly and operation.
- Provided step-by-step guidance for users with minimal technical expertise.
- Ensured safety and compliance with drone operation guidelines.
- Made drone technology more accessible for learning and experimentation.

Reentrancy Payment Contract Security Enhancement Attack Mitigation

- Identified a reentrancy vulnerability in the withdraw function of a payment contract,   Mar 2024- July 2024
  where Ether was sent before updating the user's balance.
- Applied the Checks-Effects-Interactions pattern to update the state before external calls, preventing recursive re-entry by attackers.
- Enhanced security by adding a require statement to ensure the success of Ether transfers, preventing fund exploitation.

CERTIFICATIONS

- CompTIA Security+   January 2025
- Digital Forensic Investigator   January 2025
- CompTIA Network+   September 2024
- RedHat System Administration (RH134)   August 2024

EDUCATION

- **Lovely Professional University**   Punjab, India
  Bachelor of Technology - Computer Science and Engineering;   *Since August 2022*

- **Konola Academy S.D.A Mission**   Margibi, Liberia
  *Intermediate; **Percentage: 82%***   *2018- 2021*