## INTERNSHIP DAILY REPORT:

INTRODUCTION-

This report details my internship experience at NullClass, where I worked as a Blockchain Developer Intern. The primary objective of this internship was to develop a smart contract for a crowdfunding platform using Solidity. The focus of this report was to create a crowdfunding smart contract.

BACKGROUND-

Blockchain Technology is revolutionizing various industries by providing decentralized and transparent systems. In the context of crowdfunding, it ensures transparency and trust between project creators and funders. My task was to create a crowdfunding Smart Contract .

LEARNING OBJECTIVES-

* Understand the basics of blockchain technology and the Ethereum platform.
* Learn and implement smart contracts using Solidity.
* Develop a fully functional crowdfunding platform with project creation and deadline management features.
* Enhance problem-solving, project management, and collaborative development skills.

ACTIVITIES AND TASKS-

Research- Studied blockchain technology, Ethereum, and Solidity programming language.

Requirement Analysis- Defined the features and functionalities required for the smart contract including project funding and status tracking.

Development- Coded the smart contract with features for project creation, funding, and extending project deadlines.

Testing- Conducted thorough testing using frameworks like Truffle and local Ethereum environment such as Ganache.

Documented- Documented the smart contract code and prepared this internship report.

SKILLS AND COMPETENCIES-

Technical skills- Gained proficiency in solidity and smart contract development.

Problem-Solving- Developed solutions for issues encountered during the coding and testing phases.

FEEDBACK AND EVIDENCE-

Code Review- Successfully passed multiple code reviews, ensuring adherence to industry standards and best practices.

Documentation- Delivered detailed documentation of the smart contract, which was well-received by the team.

CHALLENGES AND SOLUTIONS-

Understanding Solidity- Initially struggled with Solidity syntax and concepts. Overcame this by engaging with online tutorials, reading documentation, and practicing coding exercises.

Security Concerns- Ensuring the contract was secure against vulnerabilities required extensive testing. Used automated testing tools and peer reviews to identify and address potential issues.

OUTCOMES AND IMPACT-

Functional Smart Contract- Developed a robust crowdfunding smart contract with the ability to create projects and extend deadlines.

Practical Experience- Gained hands-on experience in blockchain development, enhancing my technical skill set.

CONCLUSION-

NullClass provided a comprehensive introduction to blockchain technology and smart contract development. I have learned a lot while working on this Project.