Dhruva Narayan K

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Summary

- I am Currently a 2nd-year engineering student with a strong interest in low-level programming and compiler design.
- I learned low-level problem solving, including reverse engineering, de compiling, and debugging through various Capture the Flag competition that i participated in.
- I am Looking forward to gain practical experience and expanding my knowledge in the field of compiler engineering through an internship.

Education

Indian Institute of Information Technology-Nagpur, B Tech in Computer Science and Engineering — July 2023 – April 2027

- **Coursework:** Computer Systems and Organization (Floating Point Precision), Object-Oriented Programming in C++, Data Structures and Applications (Sparse Matrices, Graphs, and Trees)

Achievements

- Achieved a top **5000 rank** in the national-level selection process and awarded the prestigious **Reliance Foundation Scholarship**.
- Secured **3rd place** in **ACN CTF 2024**, organized by Amrita School of Computing. A national-level cybersecurity competition testing skills in cryptography, reverse engineering, and web exploitation.
- Achieved **1st place** in **ZeroDay CTF**, A national-level cybersecurity competition hosted by ZERO LOGON with sponsorship from NULL Kolkata and PWNEDLABS.
- Won **1st place** in **Sinusoid CTF**, A national-level cybersecurity competition organized by NIIT University, Rajasthan.

Projects

Warehouse Management System(3rd Semester Project)

- A console-based application designed to manage products, orders, and sales reports for a warehouse. It provides functionalities for both administrators and customers, including inventory management, order placement, and sales reporting.
- Tools Used: C++
- github.com/Xylecrack/Warehouse-Management-System

Implemented Sparse Matrix in C

- Developed a C program to implement operations on sparse matrices represented as linked lists. The project demonstrates efficient memory utilization for sparse data and includes operations such as addition, multiplication, and transpose.
- Tools used: C

Technologies

Languages: C++, C, Python.