PRIYANSHU SARKAR

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EDUCATION

B.E., Electronics and Communication Engineering   Aug 2019 - Jul 2023
7.75 GPA
Nitte Meenakshi Institute of Technology
Relevant coursework: C Programming, Data Structures in C++

TECHNICAL SKILLS

Proficient Languages: TypeScript, JavaScript, C++, SQL, HTML, CSS
Other Languages: Python, Java, C
Front-end Tools and Technology: Angular, Angular CLI, Jest
Back-end Tools and Technology: Postman, Microsoft Visual Studio Code, Jupyter Notebook, Turbo C++
Networking Tools and Technology: Mininet, Miniedit, Wireshark

EXPERIENCE

Micro Focus, Bangalore: Software Engineer Intern   Feb 2023 – Aug 2023
(**Angular**, **REST APIs**)

- After two weeks of learning, worked in a two-man team for developing a hypervisor integration related restore feature of the product on web UI for POC to perform granular recovery of files/folders by mounting the disk of a backed-up VMware onto another.
- Also, worked on the rapid production-level web UI development of the same feature post-POC review to boost the value and growth of the product.

PROJECTS

Tic Tac Toe   February 2022
Throwback to a game we all loved and played as children.

- Developed a portal for the Player Vs CPU game.
- The program plays and calculates the game till the end point at every CPU turn to arrive at the best possible move using **backtracking** in **C++**.
- CPU never looses.

Supermarket   December 2019
A complete implementation of how a supermarket portal works using **File handling** in **C++**.

- Portal can be accessed as an admin with valid credentials as well as a usual customer.
- As an admin, the user can add, delete or modify items in the store.
- As a customer, the user can choose the required items and get a bill for them.

Creating and Testing SDN scenarios using Mininet   April 2023
Software-Defined Networking is an approach that uses software-based controllers to communicate with underlying hardware infrastructure and direct traffic on a network.

- Studied various communications happening between controller and switch
- Creating a network topology either using **Mininet** or **Miniedit**
- Visualizing the communication using **Wireshark**

CERTIFICATIONS

Data Base Management System (NPTEL)	Sep 2021
The Joy of Computing using Python (NPTEL)	Oct 2022
Java Programming: Solving Problems with Software (Coursera)	Nov 2022
Java Programming: Arrays, Lists, Structured Data (Coursera)	Dec 2022
Introduction to Internet of Things (NPTEL)	Apr 2023