

# HARSIMRANJOT

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## EDUCATION

### Thapar Institute of Engineering and Technology

Bachelor of Engineering in Computer Engineering

CGPA: 7.79

Patiala, India

2018 - 2022

## WORK EXPERIENCE

### OPTUM

Sep 2022 - Present

Software Engineer

- Working on building the **backend** part of MDL Modernization.
- The Specialty Master Drug List (MDL) is a foundational artifact of OptumRx and Optum Specialty Pharmacy operations. It has evolved from a simple list of drugs to a Microsoft Azure SQL database with various attributes that go beyond the MDL's original business goal but are still required for OptumRx to function.
- We designed an **engaging dashboard** for Optum users where graphs are displayed based on the parameters users select.
- Graphs provide a comparative study of the average hours users spend on the web app.
- Applied **agile methods** to meet deadlines, and is still working on releasing further updates.

### IBM

Jan 2022 - June 2022

Associate Developer Intern

- Assigned to the Material Management module of SAP and was responsible for customizing the business system of the potential client by understanding their business needs.
- Technologies used: SAP S/4 HANA

### CODING NINJAS

Sep 2021 - Jan 2022

Teaching Associate Intern

- Teaching Associate for the course data structures and algorithms in C++ and solved 850+ doubts
- Rating: 4.69/5

## PROJECTS

### Sorting Visualizer (HTML, CSS, JavaScript)

- Created a Web application using JavaScript to visualize how various sorting algorithms work. Solved the issue of Play/Pause and Reset operation.
- This allows the user to change the type of sorting algo | speed of algo | Array Elements | Array Size.

## ACCOMPLISHMENTS

- Participated in Meta Hacker Cup Contest 2022.
- Backed Second Position in ELC Workshop on Robotic Arm for The Idea Of Robotic Grass Cutter.

## SKILLS

**Language:-** C, C++, Java, Javascript, Python, SQL, PHP

**Framework:-** ReactJs, SpringBoot, AI/ML

**Other Skills:-** Nodejs, Debugging & troubleshooting, HTML, CSS, **Rest APIs**, GCP, Agile Methodologies, **GIT & GitHub**, **Microsoft Azure Platform Architecture**, Microservices

**Course Work:-** **Data structure & Algorithm**, OOPS, **Database Management Systems**, Operating System, Computer Networking