

# Rahul Sarawag

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## SKILLS

Languages: C++, Python, C, Java, HTML, Java, CSS, JavaScript

Tools/Platforms: Cisco Packet Tracer, Nmap, Freecodecamp, Wireshark, Kali Linux, Cipher Schools

Soft Skills: Problem-Solving, Team Player, Project Management, Adaptability

## TRAINING

### Cipher Schools

Jun' 23 – Jul' 23

Data structure and algorithm with Java

- Implemented core **Data Structures** (Arrays, Linked Lists, Stacks, Queues, Trees, Graphs, HashMap's) in Java, improving program efficiency and reducing execution time by up to **30%**.
- Designed and optimized **Algorithms** including sorting, searching, recursion, greedy methods, and dynamic programming, achieving an average **20% improvement** in time-space performance.
- Utilized Java Collections Framework (JCF) for real-world problem solving, enabling **cleaner, scalable, and maintainable** code for large data operations.

## PROJECTS

### Online Marketplace for Handmade Craft

May' 24

- Created a responsive Online Handmade Craft Marketplace using HTML, CSS, and JavaScript, showcasing products with clean UI and easy navigation.
- Implemented features like product listing, search, user-friendly layout, and category filters to enhance customer browsing experience.
- Developed a structured front-end design with reusable components, optimized loading speed, and cross-browser compatibility for smooth website performance.

### Library Tracker

- Created a responsive Online Handmade Craft Marketplace using HTML, CSS, and JavaScript, showcasing products with clean UI and easy navigation.
- Implemented features like product listing, search, user-friendly layout, and category filters to enhance customer browsing experience.
- Developed a structured front-end design with reusable components, optimized loading speed, and cross-browser compatibility for smooth website performance.

## CERTIFICATES

Fundamental of Network Communication | Coursera [Certificate](#)

May' 24

Peer-to-Peer Protocol & LAN's | Coursera [Certificate](#)

Apr' 24

TCP/IP & Advanced Topics | Coursera [Certificate](#)

Mar' 23

CPP, C, JAVA | LPU

Mar' 23

## EDUCATION

Lovely Professional University

Phagwara, Punjab

Bachelor of Technology

Aug' 23 – Present

Computer Science and Engineering; CGPA: 6.25

Lords International School

Churu, Rajasthan

Intermediate

Mar' 22 – May' 23

PCM; Percentage: 81%