

# TRIJAL BHARDWAJ

Pre-Final Year UG Computer Science Student At MAIT, Delhi

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## EXPERIENCE

### Web-Development Intern

August 2021 – Present

#### LetsGrowMore

Remote IN

- Worked on Two Projects: (Based on HTML, CSS, JS, ReactJS, PHP & MySQL)
  - Full-Stack Project: Worked on a **Student Result Management System**. Developed an **Automation System To Eradicate Traditional Results & Exams Problems**. Through this, the Admins, Teachers, Staffs were able to Modify & Assess the Student's Marks as per their requirements whenever needed.
  - Front-End Project: Worked on a Web-App made using create-react-app. **Added a Functionality of 'Get Users' Button**, which made an **API Call (Link)** and **Fetches User Data**. Also added some custom CSS Styled Components.

### Teaching Assistant Intern (DSA + Web-Dev)

June 2021 – Present

#### PepCoding Education Private Limited

Remote IN

- Taught Basics of Data Structures and Algorithms, Automation & Front-End Web-Development as a TA to 50+ First-Year Students Enrolled in PepCoding Placement Program (PP-11) Batch.
- Mentored 5 Juniors personally and Guided others by resolving their doubts and queries.

### Open-Source Contributor & Participant

April 2021 – June 2021

#### LetsGrowMore Summer Of Code (LGMSoc'21)

Remote IN

- Contributed to Project SpaceX Launch Data based on HTML, CSS, JS.
- Merged 2 Pull Requests and worked on developing Footer Section and making Header Section Transparent and Responsive.

## PROJECTS

### macOS Catalina + Windows 11 (Front-End) (Project Link)

A macOS Catalina & Windows 11 GUI Clone (Desktop Page + Apps).

Tech Stack : HTML , CSS , JavaScript , jQuery , IndexedDB.

Features/Functionalities : Menus + SubMenus , Resizable + Draggable Windows & Icons , SideBar Links in Finder Connected To Respective Content , Working Dock Animation , Double-Click on Folder Opens Finder.

Apps : MS Excel , Camera , WhiteBoard , Sticky Notes + To-Do App , Zoom , Calculator. Synced My GUI With Original Windows 11 TaskBar + Animations.

### CoviCure (Project Link)

A Fully-Fledged COVID Resource Exchange & Management Website for Direct Usage By NGOs & Govt. Agencies. (In Pre-Incubation Phase With Kerala Govt.)

Tech Stack : HTML , CSS , JS , ReactJS , SocketIO , NodeJS , MySQL , Puppeteer. Optimized Supply Chain for Urgent Medical Essentials & Critical Items such as Availability of Nearby Hospital Beds, Oxygen Cylinders, Medicines, Vaccines, Willing Blood & Plasma Donors, Verified Leads. (Website Displays All This Data).

- Scrapped TwitterUserIDs of all willing donors & help-seekers (By their Tweets Using Automation) & sent them an Auto-Message containing Website link.
- Website Features/Functionalities : Nearby Donors + Help-Seekers List , Emergency Ambulance Booking Service (MapBox API) + Online (Zoom-Based) Doctor Assistance Facility (For Appointment Booking + Medicines), Real-Time Chat Application (For Quick Help + User FeedBack), Report Scam/User Section.

### Apple.com E-Commerce + PayPal + Twitter Clone (Front-End) (Project Link)

A Fully-Fledged apple.com E-Commerce Website Clone.

Tech Stack : HTML , CSS (FlexBox+Grid) , JS & DOM Manipulation.

Products : iPhone , MacBook Pro , AppleWatch , AirPods.

Custom 3D View Animation for iPhone Retail Unit/Box.

Various AppleWatch Designs with Colorful Band Combinations.

Buy Now : Integrated PayPal Payment System For Each Product.

Review/FeedBack : Built Three Different Pages of Twitter : Main Page, Login Page & News Feed Page (Fully Mobile Responsive + Dark Mode Functionality).

### HackerRank Problem Solver + Moderator Adder (Link)

An Automated Tool Implemented using Puppeteer NPM Library.

Functions : Auto Logins With Temporary Login Credentials, Solves Past Challenges & Problems from the Editorial Section , Moves to the Next Question Module after Successful Submission. Also Creates a Random Problem-Set & Adds the Logged-In User as a Moderator.

## EDUCATION

### Bachelor of Technology in Computer Science & Engineering (B.Tech. in CSE)

2019 – 2023

Maharaja Agrasen Institute of Technology (MAIT), (GGSIPU)

CGPA : 9.24 / 10.0

#### CBSE Class XII

2018 – 2019

Vivekanand Public School, Delhi

Marks - 87%

#### CBSE Class X

2015 – 2016

Vivekanand Public School, Delhi

Marks - 95%

## TECHNICAL SKILLS

PROGRAMMING LANGUAGES : C , C++ (STL) , Java ,

Problem Solving , Data Structures & Algorithms

CORE SUBJECTS : Object-Oriented Programming (OOPS) ,

Operating Systems (OS) , Computer Networks (CN) ,

Database Management Systems (DBMS) ,

Low-Level System Design (LLD)

WEB DEVELOPMENT (MERN Stack) :

HTML 5 , CSS 3 , JavaScript , ReactJS , NodeJS , SocketIO ,

MySQL , Git/GitHub , Deployment (Netlify , Heroku , etc)

DEV TOOLS : Sublime Text , Eclipse , VS Code , Google Cloud

## ACHIEVEMENTS

- CodeChef (Profile Link) : Achieved GLOBAL RANK 88 out of 28907 Candidates in CodeChef June Long Challenge 2021 [Rated 3\* (1712)]
- WINNER of GitHub CIS Hackathon out of 50+ Teams (Code Innovation Series - Organised By IncubateIND)
- WINNER of pepHack 1 PP11 Hackathon out of 30+ Participants (Organised By PepCoding Education Pvt. Ltd.)
- WINNER of Technothon 1.0 Hackathon out of 140+ Teams (Organised By Amity University Mumbai)
- FINALIST of Covackathon 2021 Hackathon out of 180+ Teams. Qualified Round 1, 2 & 3 (Organised By TECHIN, IIT Palakkad in Collaboration with Kerala Govt.)
- SOLVED 300+ Problems on PepCoding Platform.

## RELEVANT COURSES & CERTIFICATIONS

### Computer Science

Computer Programming | Data Structures & Algorithms |

Operating Systems | Database Management Systems |

Computer Networks | Web-Scraping | Automation |

Git/GitHub | Full-Stack Web-Development

### Maths

Discrete Maths | Linear Algebra | Probability & Statistics