

# Ujjwal

📍 Haryana, India

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## EDUCATION

**Bachelor in Engineering in Computer Science**  
• CGPA: 9.92

Chitkara University • Punjab, India • 2020 - 2024

**BS in Data Science and Applications**  
• CGPA: 7.4

IIT Madras • Chennai, India • 2021-On Hold

**12<sup>th</sup> HBSE**  
• Percentage: 90%

Vaish Senior Secondary School • Charkhi Dadri, Haryana, India • 2020

**10<sup>th</sup> HBSE**  
• Percentage: 87%

Vaish Senior Secondary School • Charkhi Dadri, Haryana, India • 2018

## Experience

**Software Engineering-Associate**  
FICO, Bangalore

**Present**  
Full-Time

**Software Engineering – Intern**  
FICO, Bangalore

**May 2023 - June 2024**  
Internship

**Data Structure Scholar**  
TwoWaits

**Nov 2021 - Dec 2021**  
Internship

## SKILLS

- **Programming Skills:** C++, Python, Java, JavaScript, TypeScript, Processing, GoLang, Bash
- **Web Technologies:** HTML, CSS, JS, jQuery, ReactJS, Next Js, Node.js, Express.js, Bootstrap, GraphQL, Tailwind, SasS, P5Js, ThreeJS
- **Android Dev:** React Native, Android with Java
- **Devops & Cloud:** Docker, Kubernetes, AWS, GCloud, MS Azure, Jenkins, Sonarqube, Git, Github
- **Operating Systems:** Linux, Windows, MacOS
- **Database Systems:** MySQL, Postgresql, MongoDB, PhpAdmin, Oracle
- **Design, Graphics & Other Tools:** Canva, Figma, OpenCV, Postman, AndroidStudio, UI/UX
- **Soft Skills:**
  1. Team Work (collaborated in teams of 3 & 5 to develop apps for Hackathons and other Projects)
  2. Creativity and Problem Solving (created several creative coding mini projects and visualizations)
  3. Communication and Teaching
  4. Flexibility, Patience and Time Management

## PROJECTS

### Traximo

**The Great India Hackathon • April 2022**

- A Hackathon project, collection of #moveToPlay webcam games, deployed on Azure which encourages physical activities to play digital games
- Developed "The Ghost Hunter" & "3D Car Simulation" controlled using hand gestures as part of Traximo
- Traximo secured 1<sup>ST</sup> position at The Great India Hackathon

### BloodLink

**Semester Solo Project • February 2023**

- BloodLink is a platform for users to register as blood to either request/donate blood and blood banks to manage their stocks by managing the pending donations and request along with scheduling blood camps and managing them. The system will authenticate the user/bank using their username(mobile) and password to further perform other actions.
- Developed using MERN Stack and Tailwind css for UI Styling with REST Api built for handling the requests.

### Kawach

**Duo Project • Jan 2023**

- Developed a QR Code-based locking application for Android using Java, designed specifically for army personnel to enhance device security.
- Implemented security features to disable all device functionalities, including internet and camera, until re-authentication.
- Designed a server application to generate QR codes, validate authentication, and maintain activity logs.
- Ensured secure communication between the mobile app and the server to prevent unauthorized access.

### 3D Audio Visualizer

**Solo Project • August 2022**

- A 3d audio visualizer created using ThreeJs which shows and controls the vertices of a 3d plane on the basis of frequency matrix generated by any audio file or using the system mic input.

## Sorting Algorithms Visualizer

Solo Project • December 2021

- A sorting algos visualizer webapp to visualize different sorting algorithms using plain HTML, CSS & JS in an easy way
- Created the visualizer from scratch to help myself in understanding concepts and to visualize how algorithm works.

## Stellar

Semester Project • January 2021 - February 2021

- Stellar is essentially a self-drive car rental and purchasing online marketplace, which allows its users to rent or buy self-drive cars at affordable prices
- I was responsible for overall development of the website including front-end, back-end & UI design of the website.

## CERTIFICATIONS

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|---|--|
| • Introduction to IoT   | • Adobe UX Foundation Learning Journey |
| • AWS Academy Introduction to Cloud                           | • Introduction to Cyber Security       |
| • Advanced Web Development                                    | • Object Oriented Programming in Java  |
| • IITM Foundational Level BS in Data Science and Applications |  |

## ACCOMPLISHMENTS

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- |  |  |
|--|--|
| • Nominated for Smart India Hackathon 2022 by Chitkara University (PS Code: BV805)           | • March 22, 2022                         |
| • The Great India Hackathon (By ReSkill & Microsoft Azure): Secured 1 <sup>st</sup> position | Chitkara University, Punjab • April 2022 |
| • Patented a Auto Cut Gas Fired Geyser with Alarm (Application No: 202211065867)             | • November 2022                          |
| • Part of GithubGraduation – 2022  | • 2022                                   |
| • Qualified Level 1 of Flipkart Grid 4.0   | • 2022                                   |