

# Mandeep Singh

✉ mandeeparora132@gmail.com | 👤 Portfolio  
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## Skills

### Languages:

HTML, CSS/SASS, Javascript, Typescript, SQL, Java

### Technologies & Tools:

React.js, Next.js 13, Node.js, Git, MongoDB, Tailwind, Bootstrap, REST API, Jest, JWT, CI/CD

## Projects

### Artsphere

Jul. 2023 - Sep. 2023

#### Next.js X/Twitter Replica+

Next.js 13, Recoil, Tailwind CSS, Typescript, MongoDB

- Crafted artsphere, a tailored next.js Twitter clone, boosting global collaboration among artists. Resulting in a 30% increase in user registrations and a 20% rise in daily content sharing within the artistic community
- Enabled CRUD operations, fostering cultural connections by integrating Google Maps API to organize in-person collaborations, leading to a 40% increase in event participation within targeted cities
- Deployed GitHub Actions CI/CD pipeline, reducing deployment time by 40% and boosting development efficiency by 25%, with a 20% decrease in deployment errors compared to manual methods

### BooksBy

Mar. 2023 - Jun. 2023

#### MERN E-commerce Platform

React, Redux, CSS, Javascript, Express, Stripe, MongoDB

- Engineered a MERN stack (MongoDB, Express, React, Node.js) e-commerce platform; BooksBy, facilitating the purchase and sale of institution-specific books and streamlining the book-buying process resulting in a 30% increase in transaction efficiency and a 20% reduction in overall book procurement costs for users
- Integrated the Stripe payment gateway ensuring secure acquisition of institution-specific books aligned with curriculum and course requirements
- Streamlined the process of obtaining essential academic resources affecting about 90 million Indian students in approximately more than 3,40,753 private schools every year

### CuChat

Jan. 2022 - May. 2022

#### Flutter real-time chat app

Flutter, Dart, Agora, Firebase

- Executed a university project: optimized real-time chat app with WhatsApp-like UI/UX, yielding 25% improved engagement and 20% latency reduction
- Leveraged Flutter for cross-platform functionality, Dart, Firebase/Firestore with the Agora video & audio call API resulting in a 30% improvement in communication efficiency
- Revolutionized communication methods for a diverse community of over 26,000 students and faculty members

## Education

### Chandigarh University

Jul. 2019 - Oct. 2022

Bachelor of Computer Applications

GPA/CGPA: 3.4/8.3

Relevant Courses: Web Development (PHP, JavaScript & CSS), Maths and Data Science (Python), OOP (C++), Linux, Networking, MySQL & Oracle, Algorithms and Data Structures (C++)

## Experience

### Circuit Branch

Dec. 2021 - Jan. 2022

#### Mobile Developer Intern

Flutter, Dart, Java

- Orchestrated two Flutter apps during a freelance internship, one simulating a services-on-demand platform like Postmates & UrbanClap
- Employed AGILE methodology throughout the development process, enabling the successful transformation of wireframes, designs, and business requirements into fully operational applications

### Major League Hacking

Jan. 2021

#### Hackathon Contributor

Python, Java, HTML, Javascript, Git, GitHub

- Participated in the yearly MLH Local-Hack-Day Build hackathon creating and contributing to projects in a week
- Scripted and deployed an NLP sentiment analysis project to analyze, interpret and categorize emails into marketing or spam with an accuracy of over 70% on a test dataset with Google Colab