

# Mandeep Singh

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## EDUCATION

### Chandigarh University

July 2019 – Aug. 2023

Bachelor of Computer Applications

CGPA: 8.3/10

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

## TECHNICAL SKILLS

**Languages:** Java, C/C++, JavaScript, TypeScript, SQL, HTML, CSS/SASS

**Technologies & Tools:** React.js, Next.js, Redux, Node.js, REST API, Git, MongoDB, Jest, Tailwind, CI/CD

## EXPERIENCE

### Junior Software Engineer (Unpaid Internship)

Aug. 2022 – March 2023

*Xoriant*

*Remote*

- Completed a comprehensive 6-month training program covering full-stack development, resulting in proficiency in frontend technologies (HTML, CSS, JavaScript, ReactJS) and backend technologies (NodeJS, MySQL, MongoDB), totaling over 300 hours of coursework
- Developed and deployed 3 full-stack web applications using modern DevOps tools (Docker, Kubernetes) and CI/CD pipelines (Jenkins, TravisCI), reducing deployment time by 40% and achieving a 99.9% uptime in cloud environments (AWS, Google Cloud)
- Collaborated in Agile teams to design and implement scalable software solutions, managing codebase changes across 50+ repositories, refining skills in version control (Git, GitHub), and solving 200+ coding challenges to enhance problem-solving abilities

### Mobile Developer Intern

Dec. 2021 – Jan. 2022

*Circuit branch*

*Remote*

- Built two user-facing full-stack Flutter apps emulating a services-on-demand platform similar to Postmates & UrbanClap. Achieved a rapid 30% increase in user engagement, measured by daily active users and customer feedback
- Leveraged AGILE methodology to streamline the transformation of wireframes, designs, and business requirements into operational applications. Cut project timelines by 20%, ensuring prompt delivery

## PROJECTS

### OnAir.ai 🌐 | *OpenAI, TypeScript, Next.js, Convex, Clerk, Tailwind*

July 2023 – Sep. 2023

- Implemented an AI SaaS podcast platform using Next.js and TypeScript, leveraging OpenAI APIs for Generative AI voices that utilizes multi-voice AI for text-to-speech conversion and AI-generated thumbnails using text prompts, cutting content production time by 40%
- Designed a responsive user interface with ShadCN and Tailwind CSS, achieving a seamless user experience across all devices and reducing design and testing iterations by 25%
- Deployed GitHub Actions CI/CD pipeline, reducing deployment time by 40% and boosting development efficiency by 25%

### BooksBy 🌐 | *JavaScript, React, Redux, Express.js, Stripe, JWT*

March 2023 – June 2023

- Engineered an e-commerce platform, achieving a 30% boost in transaction efficiency and a remarkable 20% cut in overall book procurement costs
- 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, impacting about 90 million Indian students annually in more than 3,30,000 private schools and colleges

### CuChat 🌐 | *Flutter, Dart, Agora, Firebase*

Jan. 2022 – May 2022

- Optimized a real-time chat app with a WhatsApp-like UI/UX, yielding 25% improved engagement and 20% latency reduction
- Leveraged Flutter, Firebase, and Agora API for cross-platform functionality, resulting in a 30% improvement in communication efficiency
- Revolutionized communication methods for a diverse community of over 26,000 students and faculty members