

# SHREYA RAI

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## Education

Pimpri Chinchwad College of Engineering and Research

2026

B.E in Computer Engineering

9.3/10 CGPA

GG International School

2022

Central Board of Secondary Education-(12th grade)

Percentage: 95.2%

## Skills

**Languages:** JAVA, Python, C++

**Programming Skills:** Data Structures and Algorithms

**Backend:** Node.js, Express.js, RESTful API

**Frontend:** Next.js, React.js, TypeScript, TailwindCSS, Shadcn, HTML, CSS, Bootstrap, Sass

**Database:** MongoDB, SQL

**Authentication & Security:** Clerk

**Storage & Image Processing:** Cloudinary

**Payment Integration:** Stripe

**Web Technologies:** Socket.io

**Developer Tools:** Postman, VS Code, GitHub, Git

**Operating System:** Windows, Linux

## Projects

PixelGenie - AI Image SaaS Platform

[PixelGenie](#)

- Implemented **advanced image processing features** including **photo restoration (50% improvement)**, color adjustment, generative fill, object eraser, background removal, and smart image search capabilities.
- Integrated Clerk for **secure user authentication**, and Stripe for a robust credit system with **secure credit purchases**, enhancing **user trust by 25%** and seamless user experience across devices.
- Designed a community gallery for user transformations, utilized **MongoDB for data management (20% faster data retrieval)**, and **Cloudinary for storage and image processing**, all within a **user-friendly interface**.
- Tech stack:** Next.js, TypeScript, TailwindCSS, Shadcn, MongoDB, Clerk, Cloudinary, Stripe

WebChatConnect: Real-time chat application

[WebChatConnect](#)

- Developed a real-time chat application using MERN Stack, achieving a **40% decrease in customer response time** and a **20% increase in user engagement**.
- Strengthened **security protocols** by integrating JWT, ensuring resilient and secure user authorization, fostering trust and reliability, and **reducing unauthorized access attempts by 30%**.
- Optimized user engagement through the implementation of **Socket.io**, enabling seamless **real-time communication** and **online status tracking**, enhancing **flexibility** and **responsiveness by 35%**.
- Tech stack:** MERN Stack, Tailwind CSS, JWT, Socket.io

ArticleEase: AI Article Summarizer.

[ArticleEase](#)

- Spearheaded the development of ArticleEase, a React.js-based application that provides users with **concise summaries of 100+ articles**, enhancing accessibility and efficiency.
- Orchestrated the integration of Rapid API, enhancing user engagement by introducing seamless functionalities resulting in a **40% increase in performance and efficiency of the application to improve user experience**.
- Implemented an intuitive user interface design, resulting in a **25% increase in user retention**, contributing to enhanced **usability** and **satisfaction**.
- Tech stack:** React.js, Rapid API

## Online Courses & Certifications

- Web Development - MERN (2024)
- Data Structures and Algorithms in Java (2024)

## Achievements & Participations

- Secured the runner-up position at **CoDecode**, a competition hosted by **IIT-Bombay**, outperforming over 200 participants.
- Excelled in **HacktoberFest** with 8 relevant contributions, as an **Open Source contributor**.
- Distinguished participant in the **Smart India Hackathon-2023**, contributing to a team that collaborated on a groundbreaking solution addressing the critical issue of **social media security**.
- Achieved **1st rank** in university for **Engineering Mathematics**, highlighting excellence in academic performance.