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
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.