

# 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:** React, TailwindCSS, HTML, CSS, Bootstrap, Sass, Shaden

**Databases:** MongoDB, SQL

**Web Technologies:** Socket.IO, Typescript

**Data Analysis and Visualization:** Pandas, NumPy, Matplotlib, Jupyter Notebook, Anaconda

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

**Operating System:** Windows, Linux

## Projects

**ArticleEase: AI Article Summarizer.**

[ArticleEase](#)

- Spearheaded the development of ArticleEase, a ReactJs-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:** ReactJs, Rapid API.

**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.

**OEE Calculator**

- Engineered an OEE Calculator, prioritizing Availability, Performance, and Quality metrics, ensuring comprehensive **performance evaluation** and **reducing the requirement of manpower by 45%.**
- Employed **Python** and **Pandas** to process data for 4 months of a mid-sized organization, guaranteeing precise calculations and **analysis.**
- **Visualized** analytical insights using **Matplotlib** within Jupyter Notebook, enabling insightful and actionable analysis for **optimization strategies.**
- **Tech stack:** Python, Pandas, Matplotlib, Jupyter Notebook.

## 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 developed groundbreaking solutions addressing the critical issue of **social media security.**
- Achieved **1st rank** in university for **Engineering Mathematics**, highlighting excellence in academic performance.