

# Ahaan Desai

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## EDUCATION

### Veermata Jijabai Technological Institute (VJTI)

Mumbai, IN

*Bachelor of Technology in Computer Engineering*

*Expected Graduation: 2027*

- CGPA: **9.16**
- Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Operating Systems, Database Management Systems, Software Engineering, Object-Oriented Programming (as part of Computer Programming)

## PROJECTS

### Recipe App | 📱🔗

*Oct 2024 - Jan 2025*

- Led a team of 4 developers in Community of Coders (CoC) VJTI mentorship program, defining **technology stack** and **workflow** of the project.
- Developed **REST APIs** using **Express.js** and **MongoDB** to manage and serve over 5,000 recipes with **full-text search** and **autocomplete functionality** using **MongoDB Atlas**.
- Implemented **real-time ingredient price scraping** from Amazon, Zepto and other platforms using **Puppeteer.js**, with **Redis caching** to improve performance and reduce redundant API calls.
- Fine-tuned **all-MiniLM-L6-v2 sentence-transformer model** to provide **personalized recipe recommendations** based on user-selected ingredients and saved recipes.

### Actor Hiring Management System | ☁️🔗

*Feb 2025 - June 2025*

- Developed a comprehensive hiring and social platform for film industry professionals using **React.js**, **Node.js**, **Express.js**, and **Sequelize ORM** with **MariaDB** database.
- Built features for **user profiles** including **AI-powered profile autofill**, **role listings with filtering**, role applications, and **social posts with likes and comments**, including **AI-powered enhancements** such as post generation.
- Integrated **Amazon S3** with **CloudFront CDN** for secure and scalable **audition video uploads**, and implemented **audition analysis using Google Gemini AI** for assistance with candidate screening.
- Built user connection features, including **follower/following functionality**, and implemented **real-time chat** using **Firebase Realtime Database** to enable seamless interaction between users.

### Video Game Store | ☁️🔗

*July 2024 - Dec 2024*

- Built an **eCommerce platform** for video games with **React.js**, **Node.js**, **GraphQL** & **MongoDB**.
- Implemented search, filtering, ratings & reviews for games.
- Integrated **PayPal** as a secure **payment gateway** to enable smooth and reliable checkout experiences.
- Implemented **cart** & **library** for games and a **category-based recommendation system**.

## TECHNICAL SKILLS

**Languages:** Python, C++, SQL, HTML, CSS, JavaScript

**Libraries & Frameworks:** React, Node.js, Express.js, Apollo GraphQL, TailwindCSS, FastAPI, PyTorch

**Databases:** MySQL, MariaDB, MongoDB

**Developer Tools:** Git, GitHub, Postman, Docker

## EXTRACURRICULARS

### Competitive Programming Club, VJTI

*Oct 2024 - Present*

- Ranked **19th** out of **63** participants in the offline selection round for club membership.
- Actively participating in weekly contests to improve algorithmic thinking.

### Debate and Literary Arts Society, VJTI

*Oct 2024 - May 2025*

- Managed videography and video editing for various events and competitions.
- Contributed to event planning, decoration, and technical setup for the annual event.

## ACHIEVEMENTS

- Selected for **JPMC Code for Good Hackathon** from over **50,000** applicants.
- Achieved **3 star** on CodeChef and **Pupil** on Codeforces.
- Attained a **99.97%ile** in the MHT-CET examination, ranking 40th in Maharashtra.