

Ojas Tapadia

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Education

- VIT Vellore** Expected May 2026
Bachelor of Technology in Computer Science (CGPA: 8.67 / 10.00)
Vellore, Tamil Nadu
Relevant Coursework: Data Structures and Algorithms (C++), Prob & Stat in R(R), Structure and Object Oriented Programming (C and C++), Python (Python), Java(Java)
- Essar International School** March 2021 - April 2022
High School Diploma; Class 12(CBSE): 91.20
Surat, Gujarat
Relevant Coursework: Physics, Chemistry, Mathematics, Computer Science, English
- Essar International School** March 2020 - April 2021
Secondary School Diploma; Class 10(CBSE): 91.80
Surat, Gujarat
Relevant Coursework: Physics, Chemistry, Biology, Mathematics, History, Geography, Economics, English, Sanskrit

Volunteer Experience

- Yantra-VIT's Official Hackathon** Feb 2024 – Present
Organizer and Backend Developer
Vellore, Tamil Nadu
 - Implemented backend using Nextjs, NextAuth, PostgreSQL, Typescript.
- LaserTag - Event Coordinator** August 2023 – September 2023
Event Coordinator
Vellore, Tamil Nadu
 - Event coordinator for the biggest event conducted by a club in Gravitas'23. Having more than 1000 participants.

Projects

- StoryForge.ai** | *Jupyter Notebook, Javascript, Python, CSS, HTML* Feb 2024 - Feb 2024
 - Led project for StoryForge.ai, enhancing storytelling through prompts and image generation.
 - Developed platform utilizing GPT-2 model from huggingface.com.
 - Integrated OpenAI's DALL-E-2 API for image generation.
- Contact-Manager Backend** | *Nodejs, Express, MongoDB* Dec 2023 - Jan 2024
 - Developed Contact-Manager backend application.
 - Utilized Node.js, Express, MongoDB, and JWT for authentication.
 - Implemented CRUD functionalities for managing contacts.
 - Ensured secure authentication and authorization using JWT.
- Social Networking Application** | *Nodejs, Express, MongoDB* Feb 2024 - Feb 2024
 - Designed and implemented a RESTful API for a basic social networking application using Node.js and MongoDB.
 - Implemented JWT-based authentication for secure API access, including sign-up, log-in, and profile management functionalities
 - Utilized MongoDB's aggregation framework for efficient querying of the social feed, sorting posts by most recent.
 - Ensured security and validation measures, including input validation and rate limiting to prevent common security vulnerabilities.
 - Wrote comprehensive integration tests for API endpoints to ensure functionality and error handling.

Technical Skills

Languages: Javascript, C, C++, Python, Java, TypeScript
Web Development Technologies: Node.js, HTML, CSS, Express.js, Next.js, Typescript
Databases: MongoDB, PostgreSQL, MySQL, SQL
Version Control & Collaboration: Git, Github
Testing & Development Tools: Postman, Linux