YASH GHUGARDARE

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EDUCATION

Smt. Kashibai Navale College of Engineering 2020– 2024
B.E. - Computer Science and Engineering - CGPA - 8.72 *Pune, Maharashtra*

SKILLS

Programming Languages: JavaScript, TypeScript, Java, Python, HTML, CSS
Libraries and Frameworks: React.js, Next.js, Node.js, Express
State Management: Redux, Redux Toolkit, Redux Toolkit Query, Recoil
UI Libraries: Tailwind CSS, Chakra UI, Shadcn UI, Magic UI, Accernity UI, Material UI
Databases: Mongo DB, Mongoose ODM, Redis, PostgreSQL, Drizzle ORM
Tools: Git, Github, Docker

PROJECTS

E-learning Website with AI support for Doubt Assistance | Github Live ↗ Dec 2023 - Feb 2024

- **Description:** Developed a full-stack E-learning website enabling tutors to upload courses and students to purchase them. The platform includes features such as AI-driven doubt support, real-time analytics, and DRM protection for video content.
- **Front-end:** TypeScript, Next.js, Tailwind CSS, Material UI, Recharts, Redux Toolkit Query, NextAuth.
- **Back-end:** Express, Nodemailer, EJS, Cloudinary, Stripe, MongoDB, Mongoose, Redis, Socket.io
- **Video to Text:** Streamlit, FFMPEG, AssemblyAI, Docker, AWS.
- Integrated **Gemini AI** assistant trained on course transcripts for accurate doubt resolution.
- Improved website **performance** by implementing cache maintenance using **Redis**.
- Added **Digital Media Rights(DMR)** encryption to protect video from piracy using **vdocipher.**
- **Collaboration:** Worked alongside a team member who focused on building and deploying the **video-to-text application** using Docker, AWS, ffmpeg and Assembly AI.

Fullstack Social Media Application | Github Live ↗ July 2024 - Aug 2024

- **Description:** Developed a full-stack Threads app clone with real-time features and a responsive design, utilizing the MERN stack along with additional technologies.
- **Technologies Used:** React.js, Express.js, MongoDB, Mongoose, Socket.io, Chakra UI, Cloudinary, Recoil.
- Implemented secure **authentication** and **authorization** using **JSON Web Tokens** (**JWT**).
- Enabled users to create, delete, like/unlike, and comment on posts.
- Enabled users to follow/unfollow each other and **freeze** their accounts.
- Built a **real-time chat** application with **image support**, seen/unseen message status, and notification sounds using **Socket.io**.
- Utilized **Recoil** for efficient and scalable **state management**.

AI Mock Interview SaaS | Github Live ↗ July 2023 - Aug 2024

- **Description:** Developed an AI-powered mock interview platform leveraging Google Gemini AI model API to generate tailored interview questions and provide real-time feedback based on user responses.
- **Technologies Used:** TypeScript, Next.js, Tailwind, Shadcn, PostgreSQL, Drizzle ORM, Gemini AI, Clerk.
- Utilized **Neon PostgreSQL** with **Drizzle ORM** for efficient data management and user session storage.
- Implemented **real-time speech-to-text** and **AI analysis** for ratings and improvement suggestions

RELEVANT COURSEWORK

- Data Structures
- Algorithms
- Object Oriented Programming
- Database Management System
- System Design
- Low Level Design
- Computer Networks
- Web Technologies
- Operating System