KARTIK LANDE

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Education

Veermata Jijabai Technological Institute	**Aug 2023 – May 2027**
Bachelor of Technology in Electronics and Telecommunication **CGPA** *: 7.86 (Untill 4th Sem)*	*Mumbai, Maharashtra*
St Paul Junior College	**Nov 2021 – May 2023**
HSC Board, HSC: **88.8%**, *MHTCET:* **99.58%**	*Nagpur, Maharashtra*
Sanjuba High School	**2009 – 2021**
Secondary Section (10th Grade) : **93.8 %**	*Nagpur, Maharashtra*

Projects

PollMap (Live Polls & Q&A) 🐙 | 🔗 | *ReactJS, Supabase Redis, WebSockets, Docker, AWS EC2* **Aug 2025 - Sep 2025**
- Built real-time engagement system enabling live **polls, quizzes, and Q&A** during events with **sub-300ms latency**.
- Integrated **WebSocket** and **Redis Pub/Sub** for real-time vote updates and analytics, reducing latency by **150ms**.
- Implemented **role-based access control**: password-protected events & expiring session links for enhanced **security**.
- Build **scalable microservices** with **stateless APIs** & horizontally scalable WebSocket servers ensuring **99% uptime**.
- Deployed production system using **Docker containerization** on **AWS EC2** and **auto-scaling** for high availability.

Job Portal 🐙 | 🔗 | *MongoDB, ExpressJS, NodeJS, ReactJS* **Dec 2024 - Jan 2025**
- Developed a full-stack job portal enabling users to browse, save, and apply for jobs with personalized profiles.
- Implemented secure authentication with **JWT** and designed a responsive UI with **ReactJS + TailwindCSS**.
- Developed the **Job section and Dashboard**, implementing applied/saved jobs using **MongoDB and NodeJS**.
- Enhanced platform functionality by integrating **Cloudinary** for profile/resume uploads and a **video interview scheduler** with **Agora SDK**.

LandeMon – Movie & TV Streaming Platform 🐙 | 🔗 | *NextJS, TMDB API, VidSrc* **Jun 2025 - Aug 2025**
- Developed a streaming platform using **TMDB API** for browsing 500,000+ movies/TV shows with details (ratings, cast, recommendations).
- Implemented **HD video streaming** via **VidSrc API** with custom media player controls, achieving **<5s** initial load time and reducing buffering by **55%**.
- Improved content delivery performance by **40%** using **Vercel Edge Network (CDN)** with low-latency caching for 500,000+ titles.
- Designed modern UI with dark/light theme, animations, and responsive layout using **Tailwind CSS**.

Technical Skills

OS: Linux, Windows
Programming Languages: C++, JavaScript, TypeScript, HTML/CSS
Databases: MongoDB, SQL, Redis
Developer Tools: VS Code, Git/GitHub, Postman, Google Colab
Technologies and Frameworks: ReactJS, NextJS, NodeJS, ExpressJS, TailwindCSS, WebSockets, Supabase, AWS EC2

Achievements

- <u>Codeforces</u>: **1367 Rating (Pupil)** - Top 25% among 100,000+ users in India.
- <u>LeetCode</u>: **1644 Rating** - Top 20% among 600,000+ active users.
- Won a spot among the **top 1%** of 250,000 national participants in the rigorous **Pre-Regional Mathematical Olympiad (PRMO)** in 2020, demonstrating exceptional problem-solving and analytical skills.

Extracurricular

Community of Coders (CoC)	**Apr 2025 – Present**
- CP Core Member	*VJTI*

- Led a **CP Online Workshop** for **200+ participants**, covering problem-solving strategies, contests approach, and live coding sessions.
- Designed **problems and test cases** for CodeHunt and assisted participants with real-time debugging.
- Coordinated and executed multiple coding events, ensuring smooth operations and active participant engagement.
- Mentored **3 teams** (4 members each) in their **web development journey**, guiding them through project planning, development, and deployment best practices.

Hobbies

Cricket, Boxing, Solving Math Problems, Watching Anime