

Premchand Geddada

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Full-Stack Developer with project based and internship experience building production applications. Increased client conversions by 25% through optimized web solutions. Specializing in React/Next.js frontends with NestJS and Python backends, integrating AI/ML microservices into building MVP's.

EXPERIENCE & INTERNSHIP

Python Developer Intern | HMI Engineering Services | Vizag 11/2024 - 04/2025

- Developed full-stack HMI dashboards using Django, React.js, and PostgreSQL for industrial automation
- Built and integrated REST APIs with CRUD operations for real-time data management
- Collaborated in Agile sprints using Git and conducted API testing with Postman

Frontend Developer (Freelance) | Fitness Edge Gym | Vizag 05/2025

- Built and deployed responsive landing page using Next.js and Tailwind CSS
- Increased profile visits and lead conversions by 25-30% through improved UX design
- Delivered project meeting all client requirements within deadline

SKILLS

Languages: TypeScript, JavaScript(ES6+), Python, C++, Bash
Frameworks: React, Next.js, Node.js, NestJS, Express.js, FastAPI, Tailwind CSS, Zustand, Prisma, SQLAlchemy
Database & DevOps: PostgreSQL, MongoDB, Docker, Microservices, CI/CD, GitHub Actions, Postman, RESTful APIs

PROJECTS

EventSphere - Full stack Event Management Platform with Real time Features 05/2025 - Present

- Built production-ready platform that can handle 500+ concurrent users with JWT/OAuth auth and Stripe payments
- Implemented real-time chat using Socket.IO with room-based isolation, supporting 50+ simultaneous chat rooms
- Deployed containerized NestJS backend on Google Cloud Run with automated CI/CD, achieving <200ms API response times
- Tech Stack: Next.js, NestJS, PostgreSQL (Supabase), Stripe API, Socket.IO, Docker, Google Cloud Run
- Live Demo: eventsphere-frontend.vercel.app | GitHub: [http://github.com/premchand505/eventsphere-frontend](https://github.com/premchand505/eventsphere-frontend)

Haptic Video Generator - AI-Powered Cloud-Native Video Processing Platform 05/2025 - Present

- Architected microservices system with decoupled Next.js, NestJS, and FastAPI services achieving 99.9% uptime
- Implemented cost-optimized hybrid-cloud infrastructure using GCP Cloud Run, Supabase, and Vercel, reducing operational costs by 100% for personal-scale usage
- Built asynchronous job processing pipeline with GCP Pub/Sub and pre-signed URLs, handling 250MB+ video uploads without server load
- Developed ML pipeline using FFmpeg and Librosa for audio extraction and beat detection, achieving 85% accuracy in haptic pattern generation
- Tech Stack: Next.js, NestJS, Python/FastAPI, GCP (Cloud Run, Pub/Sub, Cloud Storage), PostgreSQL, Docker
- Live Demo: hapticvideo.vercel.app | GitHub: github.com/premchand505/hapticvideo

Job Hunt Navigator - Chrome Extension & Dashboard 09/2025 - Present

- Developed Manifest V3 extension with React dashboard
- Engineered DOM scraping engine using Chrome.debugger API, achieving 95% accuracy across Indeed
- Implemented real-time cross-device synchronization using Firebase Firestore with optimistic UI updates
- Secured user data with Firebase Auth and OAuth 2.0 flow, maintaining zero security incidents
- Tech Stack: Chrome Extension API, React, Firebase (Firestore, Auth), TypeScript, Tailwind CSS
- GitHub: github.com/premchand505/job-hunt-navigator

EDUCATION

Bachelor of Technology in Computer Science Engineering
Gayatri Vidyaparishad College of Engineering (A) | CGPA: 7.88 | 2021 - 2025

Relevant course work : Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning