NISHANTH MAHESH DIPALI | B.Tech in Civil Engineering

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EDUCATION

Program	Institute	% / CGPA	Year
B.tech in Civil Engineering	Indian Institute of Technology, Madras	8.63	2027
Class XII	Sri Chaitanya Techno School	96%	2023
Class X	Sri Chaitanya Techno School	97.2%	2021

EXPERIENCE

Full stack developer
TwoKey Software Solutions, Pune (Remote)
1 July - 15 Sept (projected) 2024

I built an Innovative document management system utilising React, Firebase, and Django.
- **Multi-File Management:** Implemented a tab system for multi-file management.
- **Enhanced Security Features:** Developed selective access prevention and file locking mechanisms, ensuring secure and controlled document access within the platform.
- Integrated **Google Drive API** to provide users with flexibility
- **Business Widgets & File Control:** Created an email sent box and implemented advanced file control features such as multi-file selection and file pinning.

App Developer Intern
PetHood (Remote)
1 July - 1 Sept (projected) 2024

Subscription model for a multitude of services
- Integrated **Strapi dashboard** for store owners to manage their inventory
- Integrated **Razorpay** subscription model and **payment gateway**
- Implemented all the subscription model screens in React Native with **multi-language support**

PROJECTS

GoLoop
(E-commerce store)

- I developed an e-commerce platform using Next.js with **GraphQL** integration and MongoDB for dynamic product management.
- Implemented **advanced search** functionality using Algolia Search and added fluid UI transitions with Framer Motion and Material UI.
- Made the site more interactive using framer motion by adding animations
- Automated Email services using Sendgrid API - for sending promotional and account-related emails
- Optimised the server load and cost using microservices and serverless architecture

ImessageWeb
(Realtime chat app with offline support)

- Built a real-time chat application with React.js, Firebase for backend services, and integrated Google Authentication.
- Enhanced user experience by incorporating voice-to-text API and implementing Progressive Web App (PWA) features for offline access.

Instagram Clone
(Mobile App)

- I created a mobile-first Instagram clone using React Native with state management through Redux and Firebase backend.
- Integrated expo-camera for capturing and sharing images directly within the app.

Google Docs Clone
(Realtime collaborative doc editor)

- I built a collaborative document editing tool with real-time synchronisation features, using React and Firebase for storage and authentication.
- I hosted the application on Vercel for enhanced accessibility and performance, supporting multiple users simultaneously.

SKILLS

Software Languages

Javascript, Python, C++ (basic), GoLang (basic)

Libraries/Frameworks

- **Frameworks:** React.js, Next.js, React Native, Flutter
- **UI Libraries:** Material UI, Tailwind CSS, Framer Motion
- **State management:** React-query, Apollo-GraphQl, Redux (basic)
- **Backend:** Node, Express, Websockets (socket.io)
- **Python:** Django, Pandas, Matplotlib

POSITIONS OF RESPONSIBILITY

Global Hyperloop Competition / Subhead

- Designed and implemented web applications using React and nodejs
- Developed responsive web designs for all screen sizes
- Managed database queries using MongoDB.
- Developed RESTful APIs for backends using Express.js.