YUG BHANUSHALI

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Education

Pandit Deendayal Energy University   July. 2021 − July 2025
Bachelor of Technology in Computer Science (CGPA 9.32)   *Gandhinagar, Gujarat*

Experience

Tracks and Towers Pvt Ltd   March 2024 - Current
Founding Engineer   *Hybrid*
- Currently developing scalable REST APIs using TypeScript and a custom Node.js backend, successfully integrating with Supabase (PostgreSQL) for data management, significantly enhancing data processing capabilities in an ERP software project.
- Engineering high-performance, user-friendly frontend interfaces using Next.js, Shadcn, NextAuth, Zod, and Prisma, which is improving the user experience and increasing system efficiency by 40 percent.
- Managing and optimizing Virtual Private Servers (VPS), hosting dockerized applications and servers, ensuring 98 percent uptime and enhancing software reliability and performance.
- Implementing Continuous Integration/Continuous Deployment (CI/CD) workflows, which is streamlining development and deployment processes, improving deployment efficiency by 70 percent.

Healiom   March 2024 - May 2024
Front End Developer Intern   *Remote*
- Worked on the development of a health portal for patients using **React.js, Redux, JavaScript, and Shadcn UI, integrating GetStream SDK for chat functionality**.
- Collaborated with team to ensure user-friendly interfaces and high performance.
- Designed and implemented front-end components, ensuring high performance and responsiveness.

Projects

Event hub | *React Js, Node Js, MongoDB, Express Js* | ↗   January 2023
- Engineered a student event platform with secure club sign-in and intuitive event management features.
- Developed a user-friendly dashboard for clubs to update event details and implemented a card-based UI for event highlighting and seamless student registration.

FileDrop | *TypeScript, Next.js, Node.js, Socket.io, WebRTC* | ↗   December 2023
- Launched open-source platform for secure file sharing using WebRTC.
- Implemented WebRTC for seamless, peer-to-peer file transfers, and real-time chat functionality, ensuring cross-platform compatibility.
- Created an interactive UI for seamless chat and file-sharing experiences.

Code to Image | *ReactJs, Styled-Components, Vercel* | ↗   March 2023
- Developed "Code to Image," a Product Hunt featured product ranking 48th of the day, enabling users to create visually appealing code snippets with customizable fonts, themes, and backgrounds
- Implemented options to change programming language type, file name, and user-friendly dark and light mode features.
- Enabled users to download snippets in PNG, JPEG, and SVG formats.

Technical Skills

Skills: JavaScript, TypeScript, NextJs, ReactJs, NodeJs, Prisma(ORM), MySQL, PostgreSQL, MongoDB, Firebase, WebRTC, WebSocket, Redux, Python, Java, C, Tailwind CSS, Docker, Amazon Web Services (AWS), Git, Linux, Object-oriented programming (OOPs)
Developer Tools: VS Code, Google Cloud Platform, Sublime Text

Leadership / Extracurricular

JP Morgan Code for Good Hackathon ↗   June 2024
Developer   *JP Morgan, Mumbai*
- Developed a multilevel role-based access web app for artisans, managers, and admins.
- Implemented dynamic dashboards and inventory management.
- Auto-generated product descriptions and modified image backgrounds using an open source ml model.

SIH(Smart India Hackathon) ↗   Sep 2023
Developer   *PDEU*
- Developed **AnuvadRatna**, a web app for translating English text to regional languages without third-party APIs.
- Enabled PDF and text file uploads for document translation.