JUNED DESHMUKH

React / Frontend Developer

Nashik, Maharashtra, India

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EXPERIENCE

System Engineer at Infosys Limited ↗   **March 2022 - October 2024**
Role - Frontend Developer (Client - Cisco Webex)   *Pune*

- **Contributed extensively** to the development and maintenance of the **Cisco Webex Help Center** using **ReactJS**, enhancing user experience and site functionality.
- **Implemented critical bug fixes** and **UI improvements** with **ReactJS, TailwindCSS, and CSS3**, leading to better performance and a more refined interface.
- **Developed new features** with a focus on **accessibility (WCAG compliance)**, improving usability and ensuring inclusivity for all users.

PROJECTS   Jan 2025 – Present

CodeSandbox ↗ | React, JavaScript, Node.js, Express.js, Socket.IO, Docker

- Designed and developed a full-featured interactive code sandbox platform using **React, Node.js, and Express** offering an intuitive browser-based coding and execution experience similar to local development tools.
- Built a **terminal interface** using **xterm.js**, to dynamically execute **shell commands**, monitor processes, and display outputs in the browser, providing a seamless terminal experience within the application
- Implemented **real-time collaboration** using **Socket.io**, employing an event-driven architecture for real-time synchronization of code changes, user actions, enabling low-latency and bidirectional communication.
- **Dockerized** code execution environments by **creating isolated containers** per user session, implementing secure filesystem bindings, dynamic port mappings, and automated container lifecycle management.

Video Call/Chat Application ↗ | React.js,TypeScript, Node.js, Express.js,Socket.IO, Peer.js

- Developed a full-stack video calling and chat application using the **MERN stack, WebRTC, Peer.js** utilizing **Socket.io** as a **Selective Forwarding Unit (SFU)** with **90% reduction in communication delay.**
- Integrated **WebRTC** with **Peer.js** to establish direct **peer-to-peer browser connections**, eliminating the need for **STUN servers** to retrieve IP addresses, ensuring optimal performance, scalability.
- Developed **real-time messaging, room creation** and **group call capabilities** using **Socket.io** allowing participants to dynamically join rooms, exchange messages, and manage sessions effectively.
- Enhanced the platform with features like **call controls, dynamic participant grids**, and **responsive meeting layouts** improving overall usability across device types.

Wanderlust ↗ | Node.js, Express.js, MongoDB, Passport.js, Cloudinary

- A full-stack web application inspired by Airbnb, showcases core features like **authentication, sessions and map integration** all structured using the **MVC design pattern**.
- Implemented **authentication** and **authorization** using **Passport.js**,managed user sessions with secure cookies, and provided real-time flash messages for smooth UX.
- Integrated **Mapbox** for location-based viewing and used **Cloudinary** and **Multer** for image uploads.

Personal Portfolio ↗ | Next.js, TailwindCSS, Framer Motion, Web3Forms

- Developed a **100% mobile-friendly** portfolio using **Next.js** to showcase personal projects and technical skills.
- Applied **Tailwind CSS** for utility-based styling and seamless layout adaptation across screen sizes.
- Enhanced visual appeal and user engagement with **Framer Motion animations** and smooth transitions.
- Integrated a serverless **contact form via Web3Forms**, enabling form submissions without a backend.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML, CSS
Web Development: React.js, Node.js, Express.js, Next.js, MongoDB, Docker, Zustand, WebSockets, WebRTC

EDUCATION

Sandip Institute of Engineering and Management, Nashik   **2016 – 2019**
B.E Mechanical Engineering   ***CGPA - 7.56***