Karan Maurya

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Portfolio: https://karancodex.vercel.app/

PROFESSIONAL EXPERIENCE

Software Developer | Right Brain Infotech LLP (Remote, Pune) | May 2022 – Present

- Developed and maintained **interactive and responsive web interfaces** using HTML, CSS, JavaScript, Ionic, React native, React JS, Next JS, and modern frameworks/libraries.
- Translated UI/UX designs into fully functional front-end code with **clean, efficient, and maintainable code**.
- Specialized in building **reusable and scalable components** to ensure design and code consistency across the application.
- **Optimized web pages** for responsiveness, performance, and accessibility by following industry best practices.
- Collaborated closely with **UI/UX designers** to bring creative visions to life and worked with **backend developers** for seamless API integrations.
- **Mentored junior developers**, providing guidance on coding standards, best practices, and troubleshooting.
- Proficient in **prompt engineering and AI tool integration**, effectively crafting prompts to generate meaningful outputs for development, automation, and content generation tasks.

PROJECTS

Style AI – Virtual Try-On & Smart Fashion Assistant 07/2025 - Present

- **Developed an AI-based virtual try-on** system that enables users to visualize accessories like necklaces, goggles, and cosmetics in real-time using OpenCV and MediaPipe for face and landmark detection.
- **Enhanced configurability and cross-platform** adaptability, making the system scalable for both web and mobile applications through modular architecture and dynamic UI adjustments.
- **Implemented optimized computer vision pipelines** for seamless performance, reducing latency in live camera overlays and improving real-time accuracy of virtual product placement.

Right Brain Infotech | 06/2025 - 07/2025

- **Designed UI using Canva AI** with prompt-driven creative layouts, maintaining brand consistency across all pages.
- **Migrated complete design to a responsive Next.js application** with clean component structure and optimized routing.
- **Improved performance and SEO** using server-side rendering, image optimization, and dynamic metadata.
- **Enhanced UX & speed with mobile-first design, smooth navigation, and modern web animations.**

Drivers In India | 04/2025 - 05/2025

- **Built and managed** a city-wise driver booking website using WordPress with custom service pages and blog content.
- **Improved SEO & speed**, reaching 17K+ monthly users with low bounce rate (26%) and gzip-optimized assets.
- **Enhanced trust & UX** by integrating SSL, reviews, and mobile-friendly design for better conversions.
- **Integrated Cashfree payment gateway** for secure online bookings and automated transaction handling.

Car Rental | 11/2024 - 05/2025

- Developing a **Car with Driver booking platform** using **React, Ionic** and **Spring Boot** for a robust full-stack solution.
- Integrated **multiple payment gateways** to enable secure, flexible, and seamless transactions.
- Implemented **real-time ride tracking** using **Google Maps Tracking API** and **Mapbox**, enhancing user experience with live location updates.
- Designed and developed **responsive, cross-platform UIs** for both mobile and web platforms to ensure consistent user interaction.
- Architected smooth **frontend-backend communication** for booking, driver assignment, and tracking workflows using RESTful APIs.

Medusa E-commerce Platforms-Markeplace | 04/2024 – 11/2024

- Designed and implemented a **customer-facing portal** using **Next.js** and **TypeScript** for high-performance, SEO-friendly user experiences.
- Built an **admin dashboard** with **React and TypeScript** to manage products, orders, and users efficiently.
- Creating a **cross-platform mobile application** using **Ionic and React**, ensuring seamless functionality across iOS and Android.
- Integrated Medusa backend APIs for real-time data handling, order processing, and user authentication across all platforms.

Driver Training Digitization – Tata Motors | 02/2024 – 04/2024

- Integrated **TML (ESB) APIs** for secure CRM authentication and OTP-based login.

- UI/UX implementation for CRM.

Travel Hajj and Umrah | 09/2023 – 02/2024

- Built a responsive inquiry and booking portal using **React (TypeScript)**, **Ionic React**, **Tailwind CSS**, and **Material UI.**
- Developed the backend using **Spring Boot (Java)** with **REST API integration** for real-time service provider interaction.

Insta Hair And Skin | 12/2023 – 01/2024

- Developed a **personal grooming web application** using **HTML, CSS, and JavaScript**.
- Implemented **recommendation algorithms** and **virtual try-on** features for an engaging UX.
- Focused on UI/UX design, interactivity, and user satisfaction.

Yohansa | 02/2023 – 12/2023

- Developed and maintained **responsive UIs** by transforming design systems into reusable components.
- Created **complex layouts** to enhance user experience across multiple devices.
- Integrated **RESTful APIs** using **HTML, JavaScript, React, Flutter, and Angular** for seamless data handling.

Drivers In India | 03/2023 – 08/2023

- Built a **cross-platform mobile and web app** for driver booking (temporary/permanent).
- Designed **responsive UI** for effortless booking, secure payments, and 24/7 customer support.
- Utilized **Ionic, Angular, JavaScript, TypeScript, HTML, CSS**, and RESTful **API services** for streamlined booking and driver matching.

Spotfinder-USA & India | 06/2022 – 03/2023

- Developed **Spotfinder**, a seamless parking booking platform focused on enhancing **user experience and real-time availability updates**.
- Implemented **interactive maps and location-based services** using the **Google Places API** for accurate spot discovery.
- Built a **responsive and intuitive frontend** with **React and React Native**, ensuring smooth navigation across mobile and web devices.
- Integrated **multiple payment gateways** to provide users with flexible and secure payment options.
- Added features like **custom push notifications** and **detailed parking insights** to improve user engagement and retention.
- Utilized **JavaScript, HTML, CSS**, and robust **API integrations** to deliver a high-performance, scalable booking experience.
- Ensured cross-platform performance optimization and accessibility for a diverse user base.

PERSONAL PROJECTS

CodeX AI (Chatbot with Gemini API)I | 02/2025 – 02/2025

- **Built a cross-platform chatbot app** using React Native and Gemini Pro API to enable real-time AI conversations on both Android and iOS.
- **Implemented key features** including dark/light mode toggle, markdown-rendered responses, and chat history with smooth UI/UX.
- **Integrated Google Gemini API** using secure `.env` configuration and structured service-based request handling.
- **Optimized app performance** with reusable components, custom hooks, and TypeScript-based clean architecture.

Hotspot Device Tracker | 03/2025 – 03/2025

- **Developed a device-tracking Android app** in React Native (TypeScript) to monitor Wi-Fi hotspot connections using native ARP table access.
- **Created a native Java module** for Android to fetch connected devices' IP, MAC, and hostnames, integrated via the React Native bridge.
- **Implemented dynamic UI/UX** to prompt users when the hotspot is off, with manual control and refresh-based device list updates.
- **Optimized Android builds** using Gradle for APK generation, managed permissions, and learned Kotlin concepts using ChatGPT for future enhancements.

AI Chat Assistant | 05/2025 – 05/2025

- **Built a real-time AI chat assistant** using React and TypeScript, integrating AIMLAPI (OpenAI-compatible) for intelligent conversation handling.
- **Designed a responsive UI** with Material-UI, including chat history, error handling, and loading states for smooth user interaction.
- **Integrated Cashfree Payment Gateway** for secure transactions using sandbox and session-based flow with environment configs.
- **Followed type-safe development practices** and configured `.env` variables for secure API communication and easy environment setup.

EDUCATION

- Master of Computer Applications | Savitribai Phule Pune University | 2023 - 2025
- Bachelor of Science in Information Technology | Mumbai University | 2019 – 2022
- HSC – Science (Math) | UP Board | Jul 2018 – Apr 2019

TECHNICAL SKILLS

- Languages: JavaScript, HTML, CSS, TypeScript, SQL, PostgreSQL
- Frameworks: React JS, Node JS, Next JS, Angular
- Mobile: React native, Ionic (Angular & React), Capacitor, Cordova

- Tools: Git, Bitbucket, Jira, Postman, Netlify, Canva, Gitlab, Vercel, IntelliJ, VSCode, pgAdmin4, FileZilla, PyCharm, Windsurf, Android Studio, Xcode
- Databases: PostgreSQL, Firebase DB
- Areas of Interest: Full Stack Development, Web & Mobile Development