

# NANDISH PATEL

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## EXPERIENCE

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- **Frontend Developer Trainee – TOPS Technology** Jan 2023 - Jul 2023
  - Proficient in front-end technologies including **JavaScript**, **Bootstrap**, and **React.js**, with extensive hands-on experience gained through various mini projects, involving the design of responsive web interfaces, implementation of interactive content, and enhancement of user engagement using front-end frameworks and libraries.

## EDUCATION

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- **Master of Science – Computer Science** Aug 2023 - May 2025  
University of Texas at Arlington | Arlington, USA GPA: **4.00 | 4.00**
- **Bachelor of Technology - Computer Science and Engineering** Jul 2019 – May 2023  
Ahmedabad University | Ahmedabad, India

## KEY PROJECTS

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- **Journey Genie: AI powered trip planning platform** Jul 2024 – Dec 2024
  - Created key features like an itinerary planner, links for booking flights and hotels, and a travel journal where users can upload photos and videos. Integrated APIs to keep the experience smooth and user-friendly.
  - Built with **React JS**, **Node.js**, **Express.js**, and **Firebase**, incorporating **Gemini AI**, TripAdvisor, and Google Places APIs to provide reliable travel itinerary planning, along with Google OAuth for secure sign-in functionality.
- **Geo Compensate: Mobile app for managing the mobile workforce** Jan 2024 – May 2024
  - Developed a mobile app that integrates GPS technology with automated payroll to streamline workforce management. The app automates payroll calculations based on real-time GPS data, accurately tracking work hours, breaks, and overtime, reducing manual errors, and increasing efficiency.
  - Built a location-based compensation system with **React Native**, **Node.js**, **Express.js**, and **MongoDB** to enhance transparency and fairness in mobile payroll management.
- **EShopper: E-commerce clothing website frontend design** Jan 2023 – May 2023
  - Designed and implemented the front-end of an e-commerce clothing website using **HTML**, **CSS**, and **JavaScript**, based on initial pen-and-paper prototypes. Focused on creating intuitive navigation and responsive design, applying HCI UI/UX principles to enhance product discovery and improve add-to-cart conversion rates.
- **Prediction of heart disease using ML model** Jan 2022 – Apr 2022
  - Applied machine learning methodologies such as **SVM**, **LDA**, **Decision Tree**, and **Naïve Bayes** to forecast heart disease likelihood in patients, achieving a 72% accuracy with SVM and 64% with Decision Tree after applying PCA, optimizing predictions for patient health outcomes.
- **Digiwheels: An iOS mobile application** Aug 2021 – Dec 2021
  - Created a multi-functional iOS app using **Figma**, enabling users to access transport information, book appointments, and view essential documents like driver's licenses and vehicle registrations, enhancing user convenience and efficiency.

## TECHNICAL SKILLS

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- **Languages/Frameworks:** React, Java, Express.js, Node.js, HTML, CSS, Python
- **Databases:** MySQL, MongoDB, Firebase
- **Tools:** Android Studio, VSCode, Postman, GitHub, Figma, Jira

## ACHIEVEMENTS / CERTIFICATIONS

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- **Hackathon - SpotCrime:** Developed an interactive web app displaying real-time crime data across Los Angeles, with filters by crime type. Enabled user-reported incidents with location selection, verified coordinates, and a voting system to ensure report reliability, fostering community engagement in neighbourhood safety.
- **Hackathon:** Collaborated in a team to design and develop three websites on the Wix platform within 8 hours, focusing on [Education](#), [Residence](#), and [Artificial Intelligence](#) domains achieving **runner-up** position (**Mar 2024**).
- **Google Cloud 30 days challenge:** Completed several courses in domains like networking, big data deploy on Kubernetes, machine learning, artificial intelligence, build and secure networks (**Sept 2021**).