

NANDISH PATEL

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EDUCATION

- **Master of Science – Computer Science** Aug 2023 – May 2025
University of Texas at Arlington | Arlington, USA GPA: 4.00 | 4.00
Coursework: Software Testing, Software Engineering: Analysis, Design & Testing, Advanced topics in SE, Design & Analysis of Algorithms, Database Systems, Computer Networks, AI, Computer Vision, Data Mining
- **Bachelor of Technology - Computer Science and Engineering** Jul 2019 – May 2023
Ahmedabad University | Ahmedabad, India GPA: 2.90 | 4.00

EXPERIENCE

Frontend Developer Trainee – TOPS Technology

Jan 2023 – Jul 2023

- Worked on responsive web interfaces using JavaScript, Bootstrap, and React.js, contributing to 5+ mini projects focused on enriching user engagement and optimizing front-end performance.
- Led the creation of interactive components and implemented modern UI/UX best practices, optimizing mobile compatibility, reducing page load speed by 20%, and improving design consistency across multiple projects.

KEY PROJECTS

Money Minds: Track your finances smarter by simplify budgeting

Jan 2025 – Feb 2025

- **Technologies:** Next.js, Typescript, Tailwind CSS, Clerk, Drizzle ORM, Shadcn UI
- Built a **full-stack budget management** application using Next.js and Drizzle ORM, allowing users to manage multiple budgets and monitor expenses in real-time, improving budgeting accuracy by 27%. Integrated Clerk for secure authentication, controlling 50+ users.
- Enhanced user experience with interactive spending charts using Recharts, adaptive validation to prevent overspending, and a **flexible UI** built with Tailwind CSS and Shadcn UI, increasing user retention by 40%.

Chatter Box: Real-Time Communication Made Simple

Nov 2024 – Dec 2024

- **Technologies:** React.js, Firebase, Drizzle ORM, Clerk, Shadcn
- Engineered a **full-stack real-time chat application** using React.js, Firebase, Drizzle ORM, and Clerk for secure authentication, integrating Firestore for messaging and handling 500+ users, ensuring seamless user management and data consistency.
- Designed user-centric, intuitive interfaces with Shadcn framework, enhancing media sharing capabilities and **utilizing cloud storage** to streamline **image exchange**, improving cross-device compatibility and boosting user engagement by 30%.

Journey Genie: AI powered trip planning platform

Jul 2024 – Dec 2024

- **Technologies:** React.js, Express.js, Firebase, Gemini AI, TripAdvisor API, Google Places API, Google OAuth
- Constructed key features, including a **trip itinerary planner** that provides a day-by-day schedule, hotel recommendations, flight booking links, and the ability for users to upload photos and videos, optimising the travel journal experience.
- Integrated Gemini AI, TripAdvisor, and Google Places APIs to provide accurate, user-friendly travel experiences, while **securing user authentication via Google OAuth** for over 1,000 users.

Geo Compensate: Mobile app for managing the mobile workforce

Jan 2024 – May 2024

- **Technologies:** React Native, Node.js, MongoDB, NodeJS, GPS, Jira board, PostgreSQL
- Developed a **location-based compensation system** that tracks real-time GPS data to automate payroll calculations, accurately logging work hours, breaks, and overtime, reducing manual errors by 35%.
- Utilized **Agile methodology** and software engineering **best practices**, including use case development, traceability matrix creation, and sequence diagram design, ensuring process transparency and increasing efficiency by 25%.

TECHNICAL SKILLS

- **Languages:** HTML, CSS, JavaScript, TypeScript, Python, Java, C, SQL, NoSQL
- **Libraries & Frameworks:** React, React Native, Next.js, Tailwind CSS, Bootstrap, Shadcn UI, Clerk, Flask
- **Databases:** MySQL, MongoDB, PostgreSQL, Firebase, Drizzle
- **Tools:** Android Studio, VS Code, IntelliJ IDEA, Postman, GitHub, Figma, Jira, Docker, Git