

Dipali Makadia

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<https://dipalimakadia.github.io/Dipali-s-Portfolio/> | <https://www.linkedin.com/in/dipali-makadia/> | <https://github.com/dipalimakadia>

SUMMARY

- More than 5 years of experience in software development, with proficiency in frontend, backend, and full-stack projects. Expertise in building responsive websites that follow W3C standards and ensure seamless display across all devices. Skilled in cross-browser compatibility and accessibility along with debugging and testing to maintain high code quality. Experienced in Agile and Scrum methodologies, effectively communicating with clients to understand their requirements.

EXPERIENCE

Software Developer

Tesla

06/2025 – present

- Developed and maintained React Energy Product Profile (Tesla Account), a customer-facing portal for Tesla Energy customers to manage their solar panel, solar roof, and Powerwall orders. Built with React 18, Redux, Visx, Router, Tesla Design System, Axios, GIT and Testing Library.
- Built and enhanced Incentives UI, an internal administrative dashboard. Developed features for flat-rate incentives, battery/solar size-based incentives, and geographic filtering. Implemented secure ADFS OAuth authentication with JWT, React, Router, TypeScript, Node.js, Nodemon, and Express.js backend APIs. The tool directly supported customer pricing accuracy, compliance, and sales team efficiency.

AI Intern

Radical AI

06/2024 – 05/2025

- Contributing to the development of Kai Project by developing and deploying AI applications using industry-leading frameworks such as Google Gemini. Engaging in prompt engineering to refine interactions with AI models, ensuring clarity and relevance in responses.
- Utilizing technologies like Gemini AI and Vertex AI to enhance predictive features. Employing Docker, Fast API, Python, Google Cloud for development and GIT for version control to support smooth collaboration.

Programmer Analyst

Cognizant

05/2021 – 01/2022

- Collaborated on the O2 project, utilizing HTML5, CSS, Bootstrap, JavaScript, jQuery, ES6, React, React Hooks, Redux, Axios, NodeJS, Adobe Target, JIRA, and GIT to develop engaging and responsive website.

Associate Interface Developer

Digitas

05/2019 – 05/2021

- Programmed the DMI project with team, using HTML5, CSS3, SCSS, Highcharts, D3.js, JavaScript, ES6, jQuery, ReactJS, React Hooks, Redux, Nodejs, Axios, GIT, Handlebars, NPM and AOS library to develop visually appealing and interactive graphs.
- Built a single-page app containing a dashboard, graphs, roadmap, and calendars, conducted testing.
- Expanded Formula1 project by implementing tracking code and set up data filters using Google Analytics and jQuery. Explored new concepts through research using Google Cloud and NodeJS.

Software Developer

Motes & Bots Technologies

07/2018 – 02/2019

- Lead a team at startup company to develop Smart Office Project, creating a secure and user-friendly website for office management utilizing HTML5, CSS, Bootstrap, Javascript, ReactJS, Redux, NodeJS, Firebase and AWS.
- Features like user authentication and authorization was established, CRUD operations for employee data, and created modules for office management.
- Participated in the Smart Home application to create a safe and easy-to-use dashboard for home management, using the latest technologies like HTML5, CSS, Bootstrap, Angular, Typescript, NodeJS, Firebase, and AWS.
- Gained knowledge of new technologies and implemented software development lifecycle, including the analysis, coding, building, testing, and deployment.

Software Engineer Intern

Textron

07/2017 – 06/2018

- Contributed on the Request Tracker website using C#, .NET Framework, HTML, CSS, and SQL Server. Collaborated with the team to design a dashboard for tracking requests, performing CRUD operations, creating a user-friendly interface, conducting testing, and fixing bugs.

EDUCATION

Master of Science, Computer Science

California State University Los Angeles (GPA- 3.84/4)

01/2022 – 12/2023

Master of Technology, Computer Science & Information Security

Manipal Institute of Technology

08/2016 – 07/2018

Bachelor of Science, Information Technology

Gujarat Technological University

06/2012 – 07/2016

PROJECTS

Data Visualization and Management Application (React, React Hooks, JSON, Highcharts, Material UI, Material React Table, export-to-csv, AOS, Firebase)

- Integrated large and complex data into graphs and tables with features including filtering, sorting, downloading CSV files, pagination, and smooth animations.

Automated Restaurant Question-Answering app using ChatGPT API (React, Python, FastAPI, Langchain, OpenAI API, AWS, GIT, Github)

- Defined a query-based restaurant information retrieval app and established a backend system interfacing with the OpenAI API to extract details from restaurant menus. Improved the app's ability to understand and respond to user queries effectively.

Task Management (VueJS, JSON, NodeJS, MongoDB, ExpressJS, HTML, CSS, Postman API)

- The dynamic and user-friendly task management application includes components such as users, employees, and projects, all uniquely linked and supporting CRUD operations.

Security Algorithms (Java, C/C++)

- Generated security algorithms, such as RSA and DES.

SKILLS

- Frontend:** HTML5, CSS3, SCSS, Bootstrap, Tailwind CSS, Material UI, JavaScript, TypeScript, jQuery, React, React Hooks, Redux, Angular, ES6, Highchart, D3.js
- Backend:** Nodejs, Java, Python
- Database:** MongoDB, Firebase, SQL Server
- Cloud:** AWS, Adobe Targets, Google Analytics, Google Tag Manager
- Tools:** Visual Studio Code, Jupyter Notebook, Microsoft Office, Google Collab, Eclipse, Postman, Wordpress, Photoshop, JIRA, GitHub
- AI Tools:** OpenAI API, Generative AI Tools, Large Language Models (LLM), Langchain, FastAPI, Vertex AI, Gemini
- Additional Skills:** AJAX, RESTful API, JSON, Web Accessibility, Web Services, Visx, Axios, AOS library, Jest, React Testing Library (RTL), Software Development Life Cycle, Object-Oriented Programming, GIT, NPM, Gulp/Grunt, Bower, Handlebars, Nodemailer, Linux, Windows, Mac