

# Dipali Makadia

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

## SUMMARY

- More than 4.5 years of experience in software development covering frontend, backend, and full-stack task, skilled in responsive web development, W3C standards, cross-browser compatibility, web accessibility, Agile and Scrum methodologies, problem solving, troubleshooting, testing, debugging, version control, and client communication.

## EXPERIENCE

### AI Intern

*Radical AI*

06/2024 – present

- Contributing to the development of 'Kai: The AI Teaching Assistant' 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 backend 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, JIRA, NodeJs, ES6, JavaScript, jQuery, Adobe Target, React, React Hooks, Redux, Axios 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, Highcharts, D3, GIT, Handlebars, NPM, JavaScript, ES6, jQuery, SCSS, ReactJS, React Hooks, Redux, Nodejs, Axios 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 the team on the **Smart Office Project** to develop a secure and user-friendly website for office management, utilizing ReactJS, Redux, Firebase, NodeJS, HTML5, CSS, Bootstrap, 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 Angular, Firebase, NodeJS, HTML5, CSS, Bootstrap, 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

## RECENT 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.

**Personal Portfolio Website** (*ReactJS, Tailwind CSS, GIT*)

- Designed and developed a personal website showing information that includes education, work experience, projects, skills, and contact details.

**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

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- **Frontend:** HTML5, CSS3, SCSS, Bootstrap, Tailwind CSS, Material UI, JavaScript, 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:** vertexai, streamlit, Gemini, Generative AI Tools, Large Language Models (LLM), Langchain, FastAPI, OpenAI API
- **Additional Skills:** AJAX, RESTful API, JSON, Accessibility, Web Services, Axios, AOS library, Software Development Life Cycle, Object-Oriented Programming, GIT, NPM, Gulp/Grunt, Bower, Handlebars, Nodemailer, Linux, Windows, Mac