

Dipali Makadia

Software Engineer / Full-Stack Developer / Frontend Developer / Backend Developer

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🔗 <https://dipalimakadia.github.io/Dipali-s-Portfolio/>

SUMMARY

With over 6 years of experience in software development, I specialize in both client and server-side work, delivering high-quality products and maintaining effective written and verbal communication with clients. Hands-on experience in implementing website navigation layouts across various platforms and devices, with expertise in Responsive Web Development, W3C Standards & Cross Browser Compatibility. I have worked on Frontend, Backend, and Full Stack development tasks, showcasing versatility across the entire development spectrum. I possess a strong background in Agile and Scrum methodologies, version control, problem-solving, troubleshooting, and debugging. I work both independently and as a team player. I have a passion for continuous improvement in software engineering. Additionally, I have a solid understanding of the software development lifecycle, including the code, build, deploy, and testing phases.

PROFESSIONAL EXPERIENCE

- 03/2022 – present **Graduate Student Assistant**, *California State University Los Angeles*
- Conduct virtual Zoom meetings to provide individual students with feedback on their theses submitted in MS Word and PDF formats. Offer guidance on referencing styles, citations, bibliography, and assist in rectifying formatting errors, delivering additional feedback via email.
- 05/2021 – 01/2022 **Programmer Analyst**, *Cognizant*
- Worked on the O2 project, utilizing HTML5, CSS, SCSS, JIRA, NodeJS, ES6, JavaScript, JQuery, GIT, and Adobe Target to develop engaging and responsive front-end components.
 - Worked with cross-functional teams and followed industry best practices to ensure effective integration and functional code.
 - Reviewed and tested code for easily observable logic errors, and bugs, and ensured best practices were adhered to; standardized and optimized code as necessary.
 - Stored code in a designated source control repository to assure the safety and recoverability of production and pre-release code.
- 05/2019 – 05/2021 **Associate Interface Developer**, *Digitas*
- Worked on DMI project, utilizing HTML5, CSS3, Highcharts, D3, GIT, Handlebars, NPM, JavaScript, ES6, JQuery, Bootstrap, NodeJS, and ReactJS to develop visually appealing and interactive graphs and front-end components.
 - Followed best practices for responsive designs and integrated Highcharts for data visualization capabilities.
 - Implemented version control with GIT, utilized Handlebars for HTML components, built a single-page app containing a dashboard, graphs, roadmap, and calendars, conducted testing, and collaborated closely with designers and back-end developers to keep up the best quality of the project.
 - Worked with cross-functional teams to ensure data integration and system efficiencies in terms of analytics, visualization, and reporting.
 - Worked on Formula1 Project and have used Google Analytics and JQuery. Implemented tracking code, and set up data filters. Used Google Cloud and Nodejs for the research and new concepts.
- 06/2018 – 02/2019 **Senior Software Developer**, *Motes & Bots Technologies*
- Lead the team on the Smart Office project to develop a secure and user-friendly dashboard for office management, utilizing ReactJS, Firebase, NodeJS, HTML5, CSS, Bootstrap, and AWS.
 - Implemented user authentication and authorization features, created comprehensive modules for office management, and ensured efficient CRUD operations for employee data.
 - Built and maintained highly scalable and secure web applications, services, and APIs
 - Collaborated with the team on the Smart Home project to create a safe and easy-to-use dashboard for home management, using the latest technologies like Typescript, Angular, .NET, Web API, EF Core, and SQL Server.
 - Created interfaces to interact with and manage databases.
 - Created a/b testing, unit, regression, and end-to-end integration tests to ensure applications function according to requirements.
 - Evaluated and developed a deeper understanding of new technologies, and owned the full lifecycle of implementation from proposal to deployment.

07/2017 – 06/2018

Software Engineer Intern, *Textron*

- Developed a Request Tracker project for my final year of MTECH and internship, utilizing C#, .NET Framework, HTML, CSS, and MYSQL.
- As a business requirement, I have implemented a system for tracking requests, featuring a user-friendly interface using HTML and CSS, and developed the back-end functionality in C#.
- Used SQL Server for efficient database management, conducted testing and collaborated with the project team and internship supervisor to refine specifications and implement necessary enhancements and bug fixes.

RECENT PROJECTS

07/2023

Restaurant Customer Chat, *AI Chatbot*

- Built a robust query-based restaurant information retrieval app, using React, Python, and FastAPI, ensuring seamless user interactions.
- Established a backend system that interfaces with the OpenAI API, extracting details from the restaurant's menu.
- Integrated Langchain which enhanced the app's ability to understand and respond to user queries effectively.
- Used Git and GitHub as a Version-controlled development workflow.
- Set up deployment on AWS services which optimized app performance and scalability.

04/2023

Personal Portfolio Website

- Designed and developed a personal website showcasing information that includes education, work experience, projects, skills, and contact details.
- Used ReactJS to implement dynamic elements, coupled with TailwindCSS for seamless styling and visual enhancements, resulting in an intuitive and user-friendly interface with interactive buttons and animations.
- Implemented version control and collaboration using Git.

10/2022

Task Management

- Engineered a dynamic web application utilizing cutting-edge technologies including VueJS, NodeJS, MongoDB, Express, HTML, and CSS.
- Implemented a robust task distribution system employing specialized user assignment logic. Tasks within a project were intelligently allocated to dedicated users, ensuring optimal resource utilization and streamlined project progress.
- Employed Postman for API testing and validation.
- Leveraged JSON for data interchange, facilitating smooth communication between frontend and backend components.

2018

Security Algorithms

Designed and implemented security algorithms, such as AES and DES, in C/C++ and Java as part of a college project, showcasing proficiency in cryptography and programming skills.

EDUCATION

01/2022 – 12/2023

Masters of Science, Computer Science,
California State University Los Angeles
GPA - 3.84/4
Email id - dmakadi@calstatela.edu

Los Angeles, USA

08/2016 – 07/2018

Masters of Technology, Computer Science & Information Security,
Manipal Institute of Technology
GPA - 7.03/10

08/2012 – 07/2016

Bachelor of Engineering, Information Technology,
Gujarat Technological University
GPA - 7.18/10

SKILLS

HTML5 | CSS3 | SCSS | Bootstrap | Javascript | JQuery | ReactJS | NPM | GIT | Highcharts | Bower
Handlebars | JSON | MongoDB | NodeJS | Java | Python | Nodemailer | Express | Tailwind CSS | Postman
AngularJS | VueJS | D3 | Firebase | Gulp/Grunt | AWS | JIRA | Wordpress | Google Tag Manager | Photoshop
Eclipse | Google Cloud | Adobe Targets | Visual Studio Code | Jupyter Notebook | Object Oriented Programming
Software Development Life Cycle | Microsoft Office | Google Colab | Google Analytics | Linux | ES6 | Accessibility
Web Services | NoSQL | C# / .Net Core | SQL Server | Relational Database | Lambda | API | AJAX