Dipali Makadia

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SUMMARY

- More than 4 years of experience in software development covering frontend, backend, and full-stack tasks, 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 X   **06/2024 – present**

- Contribute to team efforts in creating 'Kai: The AI Teaching Assistant,' employing Python and TensorFlow for LLMs and RAG models and integrating OpenAI's API to advance natural language capabilities.
- Streamline data processing with PySpark, manage storage with MongoDB, and deploy Redis for caching, bolstering system responsiveness and supporting multimodal functionalities.
- Apply multimodal AI techniques, leveraging RNNs and CNNs to refine adaptive learning features, improving learner outcome predictions by over 20%.

Programmer Analyst
Cognizant   **05/2021 – 01/2022**

- Collaborated 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.

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, Bootstrap, NodeJS, and ReactJS to develop visually appealing, interactive graphs and front-end components.
- 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, Firebase, NodeJS, HTML5, CSS, Bootstrap, and AWS.
- Features like user authentication and authorization were established, CRUD operations for employee data, and created modules foroffice 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   **01/2022 - 12/2023**
California State University Los Angeles
GPA - 3.84/4

Master of Technology, Computer Science & Information Security   **08/2016 – 07/2018**
Manipal Institute of Technology

Bachelor of Science, Information Technology   **06/2012 - 07/2016**
Gujarat Technological University

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

- **Frontend:** HTML5, CSS3, SCSS, Bootstrap, Tailwind CSS, JavaScript, jQuery, React, React Hooks, Redux, Angular, Vue, 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, FastAPI, Generative AI Tools, Large Language Models (LLM), Langchain, FastAPI, OpenAI API.
- **Additional Skills:** API, AJAX, JSON, AEM, Accessibility, Web Services, Software Development Life Cycle, Object-Oriented Programming, GIT, NPM, Gulp/Grunt, Bower, Handlebars, Nodemailer, Linux, Windows, Mac