

MADHUMITHA KALAISELVAN

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Career Objective

Experienced full stack developer with expertise in both front-end and back-end development. Skilled in building robust web applications and collaborating with teams to deliver efficient solutions. Seeking a challenging role where I can utilize my skills and contribute to the success of the organization

Experience

Brahmarsive India Pvt Ltd (Sister Concern of Nallas)

Associate Engineer (Apr 2023 – Jan 2024)

- Collaborated with design team to craft intuitive user interfaces using ReactJS, integrating immersive 3D experiences via Babylon.js.
- Seamlessly integrated 3D assets and animations, conducted real-time physics simulations, and heightened user engagement by implementing advanced interactions with 3D elements using Babylon.js.
- Implemented object grabbing functionalities using joystick controls or hand-tracking mechanisms within the Babylon.js framework.
- Integrated RESTful APIs into React applications to fetch and update data, ensuring real-time updates and optimal performance.
- Implemented asynchronous operations using async/await for efficient API calls.
- Developed Python-based APIs for backend functionalities and seamlessly integrated them with the frontend, ensuring efficient communication and functionality synchronization between both ends of the application.
- Worked collaboratively with cross-functional teams to gather requirements and seamlessly integrate systems.
- Deployed and maintained applications within the Azure environment, actively contributing to maintaining elevated standards through code reviews.

Nallas Corporation

Trainee Engineer (Oct 2021 – Dec 2021)

- Developed web applications using .NET in C# to provide comprehensive solutions for both front-end and back-end services.
- Collaborated within a team on an internal project aimed at maintaining employee information.
- Involved in designing user interfaces aligned with specific requirements and ensuring the smooth integration of backend functionalities.

Associate Engineer (Jan 2022 – Mar 2023)

- Developed and integrated UI components utilizing ReactJS, contributing to an enriched user interface and improved overall user experience.
- Collaborated on the implementation of product-related features within the babylonJS framework, tailoring functionality to meet specific project requirements and ensuring seamless integration with the overall product ecosystem.

- Implemented asynchronous operations for improved API integration.
- Integrated decorators into the Python backend for enhanced functionality.
- Identified and resolved bugs in the web application to ensure seamless operation and user experience.
- Implemented Azure Key Vault for secure management and retrieval of confidential details, including secure retrieval of sensitive information like URL passwords.
- Integrated Python's unit test framework to conduct comprehensive unit testing, ensuring robust functionality and reliability throughout the development process.

Education

Bachelor of Engineering in Civil
Anjalai Ammal Mahalingam Engineering College
2015 - 2019

Skills

- ReactJS.
- Python.
- Flask and Azure functions.
- HTML, CSS and JavaScript.
- Typescript.
- Redux.
- Babylon.js.
- Familiarity with relational databases such as MYSQL and MongoDB.
- Solid understanding of software development principles and agile methodologies.
- Excellent problem-solving and analytical skills.
- Ability to work effectively in a team as well as independently.
- Strong communication and interpersonal skills