

Madhumitha Shanmugam

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Portfolio

LinkedIn

GitHub

Professional Summary

Detail-oriented Software Engineer with experience in front-end and full-stack development, specializing in React.js, React Native and TypeScript. Skilled in building user-friendly applications and optimizing APIs with FastAPI and Flask. Passionate about writing clean code, troubleshooting performance issues, and contributing to innovative projects. .

Technical Skills

Programming Languages: JavaScript, Python

Frameworks: React Native, FastAPI, Flask

Responsive Design: Tailwind CSS, Sass

Version Control: Git, GitHub

Libraries: React JS

Web Technologies: HTML5, CSS, RESTful APIs

Database Management: SQL, PostgreSQL, MongoDB

IDEs: Visual Studio Code, Jupyter Notebook

Work Experience

Full Stack Engineer, Bmdpe Technologies Pvt Ltd. (Freelance)

Karimnagar, Telangana - Remote

December 2024 – February 2025

• Grocify: Food Delivery App (Backend):

- Played a key role in developing features for both customer and vendor applications, ensuring seamless user experience and functionality across both platforms.
- Conducted API testing and debugging using Postman to ensure functionality, performance, and reliability.
- *Technologies Used:* Flask, Python, MongoDB.

Frontend Engineering Intern, TEK STRUCTURES Private Limited (Internship)

Chittoor, India

May 2024 – October 2024

• Customer Relationship Management System (Web App):

- Collaborated on both front-end and back-end development using React.js and Python FastAPI.
- Designed user-friendly interfaces and implemented secure authentication with JWT.
- Developed RESTful APIs to handle data management and integration functionalities.
- *Technologies Used:* React.js, JavaScript, HTML, CSS, Python, FastAPI, PostgreSQL.

• Scheduling Application (Mobile App):

- Implemented Context API for managing application themes.
- Integrated Expo Calendar API for event scheduling and synchronization, implemented JWT-based authentication, and utilized local storage to maintain user sessions.
- Optimized performance by testing, troubleshooting, and ensuring seamless JSON-based communication with the back-end.
- *Technologies Used:* React Native, JavaScript, Expo.

Soft Skills

- Strong project management skills with an innovative approach to multitasking.
- Friendly and approachable, encouraging collaboration within teams.
- Excellent communication skills, aligning business requirements with team efforts.

Education

Bachelor of Computer Applications

SDHR Degree and PG College, SV University, Tirupati.

CGPA: 7.93

September 2023