

Adithya Challa

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EXPERIENCE

•Vananam Ventures (The Reward Store)

Sep 2023 - Jan 2025

Software Development Engineer

Bangalore, IN

- Designed, developed, and optimized Admin, Client, and Customer-facing PWA applications, ensuring responsive performance across Android and iOS platforms.
- Built and maintained a MicroFrontend architecture for scalable and reusable shared components, enhancing development efficiency.
- Engineered features including Cart, Exports, API Settings, Client Configuration, Wallets and Transactions, and a Rewards Storefront, seamlessly integrated with CRUD APIs for robust user interactions.
- Customized Shopify application by modifying CSS and creating Liquid components to tailor storefront experiences.
- Optimized key performance metrics (TBT, FCP, LCP), boosting Lighthouse scores from 68 to 91 by refining application architecture and asset delivery strategies.
- Reduced application bundle size from 10MB to 2-3MB, enabling efficient CI/CD workflows on Bitbucket and faster deployment cycles.
- Migrated applications from CRA to Vite for Server-Side Rendering (SSR), achieving significantly faster rendering speeds and a streamlined configuration process.
- Developed and maintained robust unit and integration testing frameworks using Vitest, achieving 80% test coverage for enhanced application reliability.

•The Madras Branding Company

June - Sep 2023

Software Development Internship

Remote

- Maintained the deployment of several in-house websites on Supabase, while leveraging CSS and Material UI to design an aesthetically pleasing and user-friendly frontend.
 - Collaborated closely with designers, developers to seamlessly integrate industry-grade website features with the company's products and services, leading to a 20% increase in user engagement and customer satisfaction.
 - Spearheaded the strategic planning and implementation of several initiatives and trained few other interns in basics of JS.
 - Crafted visually appealing designs, creating engaging and intuitive web pages, resulting in higher customer satisfaction
 - Implemented efficient API integration to connect various functionalities, enabling seamless data transfer and reducing loading time by 20%.
- Links of the projects: [Endless Website](#), [Vendor Contacts](#)

•Numeronix

Jan - July 2022

Front-end Development Internship

Remote

- Developed a functional prototype website utilizing the MERN stack and JavaScript, resulting in improved user experience and increased efficiency.
- Crafted visually appealing designs, creating engaging and intuitive web pages, resulting in a 15% decrease in bounce rate and a 40% increase in average time spent on the site.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, JavaScript, Typescript, HTML, CSS, Dart, Liquid

Frameworks & Libraries: ReactJS, Vite, Vitest, Jest, Prometheus, Jaeger UI, Cypress, NextJS, Redux, Material UI, Flutter, React-Native, Express.js, Node.js

Dev & Project Management Tools: Git, Jira, Bitbucket, Confluence, Signoz, Shopify, Wordpress, Figma

Cloud/Databases: MongoDB, Firebase, Supabase, Redis, Relational Database(mysql)

PERSONAL PROJECTS

•Fake Media News Detection using Machine Learning

- Designed a Data Visualizing model for identifying fake article news in common social media platforms with an optimal result of 99.1% accuracy
- Used Many algorithms like SVM, Naive Bayes, Decision Tree, and Random Forest in Python3.
- Technology Used: Python

•Computer-Assisted Screening For Cervical Cancer using Digital Image Processing of Pap-Smear Images

- Developed an AI training model that can classify the given Pap-Smear images into 5 different classifications based on Abnormality and Severity, reducing human error and showing results of 94.6% accuracy.
- Utilized Jupyter Notebook to write the code and ResNet-50 to identify the image.

EDUCATION

•Bachelor of Technology in Computer Science and Engineering (Data Science)

2020-24

Dayananda Sagar University, Bangalore

CGPA: 7.0