Aditya Karthully

Versatile full-stack developer with expertise in building scalable and user-centric web applications, leveraging modern technologies to create efficient and impactful digital solutions.

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Experience

Member of Technical Staff 2 · **AntStack**   May 2022 – Feb 2024

- Engineered and scaled front-end applications with React, integrated server-less APIs using AWS, emphasising TDD practices to enhance software reliability.
- Developed and hosted web applications using AWS Amplify to provide users with a seamless experience.
- Contributed to building mobile applications using React Native, providing users with a native-like experience across both iOS and Android platforms.
- Developed real-time collaborative applications using WebSockets.
- Collaborated with cross-functional teams to gather requirements, design user interfaces, and implement new features.
- Conducted code reviews and provided feedback to peers to improve code quality and maintainability.
- Implemented an automated testing strategy using Jest, React Testing Library, and Vitest, significantly enhancing code quality and reducing regressions.
- Led a server-less full stack project, successfully deploying a scalable application with 99% uptime that managed over 100K monthly user interactions. Enhanced operational efficiency, demonstrating significant reliability improvements.
- Mentored interns through on-job projects, contributing to their professional development.

Associate Software Developer · **Maplelabs**   Aug 2021 – May 2022

- Write reusable, testable, and efficient code to support the development of high-quality applications.
- Develop back-end components and integrate user-facing elements into applications to improve the overall functionality and user experience.
- Improve the functionality of existing systems by identifying areas of improvement and implementing effective solutions.
- Integrating data storage and retrieval mechanisms into applications to support data-driven decision making.

Web Development Intern · **Palindrome Trip Advisor**   Aug 2020 – Sep 2020

- Design and developed an accounting web application.
- Manage data storage in applications.
- Improve overall performance of existing web applications.

Publications

Non-Invasive Multistage Fruit Grading Application with User Recommendation System

> Co-Authored with Arvind, Farhan and Keerthan, published in 2022 IEEE international Conference on Electronics, Computing and Communication Technologies (CONECCT), Bangalore, India 2022

Skills

Programming Languages
Javascript(ES2015+), Typescript, Python, GoLang, Java, HTML, CSS

Frameworks & Libraries
React , Next.js, React Native, Node.js, GraphQL, Angular, Zustand, Redux, Express.js, Django, Flask, Prisma, Tailwind CSS, Styled Components

Databases
MySQL, MongoDB , PostgreSQL

Tools & Platforms
Git, Github, AWS, Netlify, Vercel, SVN, Firebase, Figma, Supabase

Education

Master of Computer Science
University of Adelaide
2024 – present

BE in Computer Science
Dr. Ambedkar Institute of Technology
2017 – 2021

Interests

Web animation, Photography, Aquascaping, Automobiles, Drama movies, Cooking