Adithya A

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SUMMARY

- Web developer with a 4-month MERN internship at YHills. Developed two functioning web applications leveraging cutting-edge technology and reducing page load time by 35% through Server-Side Rendering (SSR).
- Skilled at full-stack development, agile collaboration, and performance optimisation.
- Seeking a summer internship to drive user-centric web experiences.
- Skilled at full-stack JavaScript; **contributing** to the tech community through technical [blogs](#).

WORK EXPERIENCE

YHILLS Ed.Tech   Remote
Web Developer Intern (Mentorship)   April 2024 – August 2024
- **Architected & developed** a MERN-stack restaurant discovery platform managing different cuisine categories and items.
- **Integrated search, filtering,** optimisation via **Express REST APIs** and server-side rendering(**SSR**).
- Achieved robust state management by using **React Context and Reducer**, resulting in a **25% increase in user interaction efficiency**.
- Implemented **JWT-based authentication** supporting secure log-in.
- Collaborated in a team: **led weekly code reviews**, pair-programmed features, and **managed version control with Git**.

PROJECTS

HACKVERSE (Hackathon Organizer) - [Github](#)
- **Developing** secure Role-Based Access Control (**RBAC**) using Passport.js, NestJS guards, and decorators to ensure robust user authentication and granular permission management.
- Designing and optimising a highly normalised Neon (PostgreSQL) database schema using **Prisma ORM** for efficient data storage and retrieval.
- Architecting a comprehensive full-stack application utilising **PostgreSQL (via Neon), React (via Next.js), and Node.js (via NestJS)** for a cohesive and scalable development process.
- Implementing core backend functionalities with NestJS (using **SOLID principles**) and Neon to manage data and secure user access, integrating Redux for global state management across the application.

MEDICARE SIMPLIFIED (E-Commerce) - [Github](#)
- Spearheaded the migration of a web application from React.js to Next.js, leveraging server-side rendering and API routing to enhance performance and SEO.
- Developed and maintained both **front-end and back-end components**, ensuring seamless integration between Next.js, PostgreSQL, and extended with **Supabase or Neon**.
- Implemented Role-Based Access Control (RBAC) using NextAuth.js and Prisma ORM, providing differentiated user experiences for admin and regular users.
- Optimised application performance and user experience, resulting in **improved load times and user engagement**.

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY(NITK)   **Suratkal, Mangalore , Karnataka**
Information Technology
Relevant CourseWorks: DBMS, DSA, OS, OOPS

CERTIFICATIONS

DSA Course Completion
        Udemy • 2024
Participation Certificate
        Code Red Hackathon(CTF) • 2024
Machine Learning With Project
        1Stop.ai • 2023

SKILLS

Technical Skills :

- **Frontend**: React, Next.js, Tailwind CSS, JavaScript, TypeScript, Svelte
- **Backend**: Node.js, Express.js, RESTful APIs, JWT (JSON Web Tokens)
- **Databases**: PostgreSQL (Neon), MongoDB, SQL
- **Tools & Version Control**: Git, GitHub/GitLab
- **Programming Languages** : C,C++, JS , TS ,Python
- **Soft Skills**: Team collaboration, Code reviews, Technical blogging

Languages: Fluent in English, Kannada & Hindi