Nikhil Kadiyan

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EDUCATION

National Institue of Technology Delhi   2020-24
Bachelor of Technology (CGPA: 8.44)

EXPERIENCE

ThoughtSpot India Pvt Ltd   Hyderabad, On-Site
Member of Technical Staff | Java, Golang, React, Typescript, GraphQL   Jul '24 - Present
• Achieved a 90% decrease in page load times by migrating the impressions database for the product's homepage from Munshi V1 to V2, achieved by changing the schema of the database
• Addressed a security vulnerability in the share API by implementing a Redis-based rate limiter after penetration testing exposed a missing rate limit, effectively controlling API request rates and mitigating abuse risks.

Software Engineering Intern | React, Typescript, Playwright, Jest   Jan '24 - Jun '24
• Migrated schema viewer from Angular to React by creating new React components and making graphQL calls to the backend. Also helped to solve various design issues in old UI during migration
• Worked on **Filter and Sort feature** for worksheet tables and columns along with one team member. Collaborated with the backend team to update API to include **tags, authors and database info** to sort the tables.
• Implemented Knowledge Cards that tell users info about a selected table including database. schema, author etc. Made API calls to the backend
• Resolved **high priority bugs** in the existing code on a priority basis for the customer, with average time of 1-2 days to merge the changes into master. **Cherry picked** must fixes to already released software, added retroactively to older versions of product.

Software Engineering Intern | React, Typescript, Jest   Jun '23 - Jul '23
• Implemented **50+ accessibility improvements** in the product's website
• Worked with **React.js** and **Typescript** to ensure website is accessible by **keyboard and screen readers**, especially for blind users and near-sighted users
• Collaborated with team to ensure that the website is in accordance with **WAI-ARIA and WCAG** international standards, achieving **Level A** accessibility certification

PROJECT HIGHLIGHTS

Golang Terminal News Reader [Code]
• Created a terminal news reader in **Golang** using **Bubbletea**, for easy navigation of parsed news and YouTube feeds.
• Integrated **SQLite** for efficient storage and retrieval of feeds, optimizing data management within the terminal.
• Implemented content fetching from the URL to **parse** and display full article text instead of truncated feed contents.
• Also implemented an **API** using **Go** supporting retrieval and addition of feeds and updating them in database

Real Time Chatroom Application [Code+Screenshots]
• Implemented a Real Time Chatroom with **Next.js** for seamless server side rendering, and **Clerk** for authentication
• Integrated **UploadThing** as a robust big data server, with file storage up to 2GB
• Ensured effective **CRUD** operations and server communication using the promise-based HTTP library **Axios**
• Facilitated real-time bidirectional communication across platforms using **SocketIO**

Photogram - An image sharing social media platform [Code] [Live]
• Launched Photogram, a dynamic image-sharing platform with **secure user authentication** using **Firebase**
• Implemented **post, comments, home page and suggested users** functionality for enhanced user engagement
• Developed responsive UI using **React**, utilizing **ChakraUI** for common UI elements
• Utilized **Zustand** for efficient state management in the frontend, providing updates on any change in backend

SKILLS

• **Languages:** Python, C++, Java, Go, SQL, TypeScript
• **Frameworks:** ReactJS, Jest, Playwright, NextJS, NodeJS, Angular, Flask
• **Developer Tools:** Git, Heroku, Vercel, Firebase, LaTex, VSCode, IntelliJ
• **Libraries:** Prisma, Pandas, Geopandas, ChakraUI Bootstrap, rayLib, Godot

ACHIEVMENTS

• Solved **400+** Data Structures and Algorithm problems on **Leetcode** [Link], rated **1545** on contests.
• Achieved a highest Rating of **1708**, 3 stars in **Codechef** [Link]
• Published paper **Study and Analysis of Plant Disease Identification Models** for ICIC3S Conference, available on [IEEE Explore] DOI: 10.1109/ICIC3S61846.2024.10603350