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Portfolio Website

nikhilcad

nikhilcad

EDUCATION

National Institute of Technology Delhi
Bachelor of Technology (CGPA: 8.44)

2020-24

EXPERIENCE

ThoughtSpot India Pvt Ltd

Hyderabad, On-Site

Software Engineering Intern

Jan '24 - Present

- Worked on **Filter and Sort** feature for worksheet tables and columns along with one team member. Collaborated with the backend team to add new parameters in existing API to include **tags, authors and database info** to sort the tables.
- 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

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 Cloth Management API [Code]

- Developed a comprehensive cloth management API in **Golang** to handle inventory and order management.
- Implemented **JWT token authentication** for secure access and operations within the API.
- Created endpoints for updating cloth data and managing customer orders, ensuring efficient and reliable data transactions.
- Updated data to a **MongoDB** database for robust and scalable data storage and retrieval.

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, supporting file uploads 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 **Firestore**
- 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

ACHIEVEMENTS

- Solved **350+** Data Structures and Algorithm problems on **Leetcode** [Link]
- Achieved a highest Rating of **1708**, 3 stars in **Codechef** [Link]
- Awarded 5 stars in Python and C on **Hackerank** [Link]