SHIVAM NAGI

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EDUCATION

AIMT College, Haryana (India)   *2019–2022*
Bachelor of Computer Application

WORK EXPERIENCE

Modfy - *Software Developer*   *Jun 2022 - Jan 2023*
• Built a web based video editor with frontend in Next.js, Redux, MobX and backend with Node.js, GraphQL.
• Worked on real-time multiplayer functionality to let users edit videos collaboratively. Used Yjs for storing state and syncing over websocket. Also created a dashboard to view state and list any issues of user projects, leading to easier debugging.
• Improved the commenting functionality by adding ability to edit, reply, resolve them and added in-site and email notifications.

Modfy - *Software Development Intern*   *Apr 2021 - Jun 2022*
• Built timeline-based editing functionality in the video editor, with features like multiple tracks, scaling, trimming and drag-n-drop. Iterated on several ways to implement this and ended up choosing a SVG based approach.
• Implemented project versioning end-to-end using GraphQL for APIs, Prisma as the ORM and React, Tailwind on frontend. This let users easily iterate and get feedback without the need to create multiple projects for revisions of the same video.
• Worked on implementing time based comments and annotations on videos, letting reviewers provide precise feedback. Used tldraw library for annotations and used GraphQL to implement real-time comments.

Devsnest - *Software Development Intern*   *Mar 2021 - Feb 2022*
• Rearchitectured frontend of an ed-tech platform, which lead to improved SEO and initial load times going from 5s to 1.5s.
• Took the initiative to develop an online code-editor for algorithmic challenges, helping users practice DSA. Used monaco as the code editor. Integrated existing backend APIs using react-query to test code and show results of submissions.
• Maintained CI/CD pipelines for frontend and a discord bot, bettering reliability and code quality.

Redink - *Front-End Intern*   *Oct 2020 - Apr 2021*
• Built a SaaS product to help schools conduct classes and examination online. Used React class components and redux/redux thunk while styling it with bootstrap. The APIs were called using Axios.
• Developed features around attendance, exams, and reports giving teachers and parents more visibility.
• Ported major functionalities of the website to React Native app. Developed UI components for consistent styling throughout the app from scratch.

PROJECTS

React Native classNames
• Worked on a library for styling components in React Native, like we could in react web (using classNames).
• Let's you easily define themes and comes with customizable components like Switch, Checkbox, etc.

WA Automation
• A bot made in Node.js for helping users create stickers, moderate groups and run code in many languages on WhatsApp.
• Processed over 120K messages and created over 17k stickers in a week in over 300 groups.

Linkefy
• A customizable link aggregator which let users create personalized pages to share their links.
• Used React and Redux for the frontend, with database and user auth in Firebase.
• Users can choose between many animations, layouts, and colors, matching it with their brand/personality.

TECHNICAL SKILLS

Programming: HTML, CSS, JavaScript/TypeScript, Next.js, React, React Native, Node.js, Express, GraphQL, tRPC

Libraries: Redux (Thunk, Toolkit), MobX, Zustand, React Query, Tailwind, Bootstrap, Radix UI, Axios

Tools & Platforms: Firebase, Docker, GCP, AWS, Git/GitHub, VS Code

Familiar with: Remix, Astro, WebSocket, MongoDB, MySQL, Flutter, Native Android