Sumit Nalavade

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EDUCATION

Texas A&M University   **May 2026**
Bachelor of Science, Computer Engineering
GPA: 3.83

EXPERIENCE

Crypt   **June - August, 2022**
Front-end Software Engineer   Austin, Texas
https://cryptapp.dev/

- Designed and developed Crypt's front-end web application to securely encrypt, store and retrieve user data on the IPFS network using SHA-256 and AES block cipher.
- Replaced Create-React-App build tooling on the existing codebase to Next.js server side rendering to greatly improve performance, SEO and page insights.
- Implemented front-end code in TypeScript to maintain code readability, modularity and maintainability

Aggie Coding Club   **August - December, 2022**
Project Manager & Lead Developer   College Station, Texas
https://github.com/aggie-coding-club/12th-rec

- Served as a project manager for the Aggie Coding Club, in my first semester at Texas A&M University as a freshman
- Led a team of 20+ students to create a cross platform mobile app (12th Rec) to connect new students with similar interests
- Implemented mobile technologies such as React Native and TypeScript and backend technologies such as Node.js and Firebase
- Taught team members how to use Git, React Native, TypeScript, Firebase etc…
- Held weekly stand-up meetings to discuss progress, update team on goals and held mini-lessons covering various technologies

PROJECTS

Gradual Grades / Frisco ISD HAC API
Go, Next.js, TypeScript, React   [GitHub Repo](#)

- Built a cross platform mobile app for iOS and Android with React Native for Frisco ISD students to access their data from online gradebook
- Built an open source serverless REST API with Go to scrape the Frisco ISD Home Access Center for grades, transcripts, schedules...
- Replaced Selenium web scraping with directly sending HTTP requests to drastically reduce response times (30+ seconds → under 2 seconds).
- Created a documentation site with language specific examples with React & Next.js
- API is consumed by multiple students at various campuses within Frisco ISD for their projects with hundreds of requests per day

VS Code ReadMe Editor
TypeScript, React, VS Code Webview API   [VSCode Marketplace](#)   [GitHub Repo](#)

- Built a VS Code extension to create/edit ReadMe files without having to leave a project workspace.
- Integrated a full React application with TypeScript within VS Code using webpack and the VS Code Webview API
- Added custom components and templates to speed up and advise a user on the ReadMe creation process.
- Integrated with the JavaScript filesystem module to download the created ReadMe directly into the project
- 4000+ downloads on the VS Code extension marketplace

YelpCamp
Next.js, React, GraphQL, Prisma, PostgreSQL, TypeScript, Tailwind CSS   [GitHub Repo](#)

- Designed and implemented a Yelp-like full stack web application that supports user log in, posting review and comments, and editing previous submissions.
- Build a complete GraphQL API to maintain flexibility when building the front end
- Integrated Next-Auth to support OAuth authentication/authorization
- Replaced MongoDB with PostgreSQL to ensure dependable structure when working with relational data
- Built the entire project on a complete typesafe stack to ensure end to end code reliability.

Gradual Grades
JavaScript, React Native, Expo   [GitHub Repo](#)

- Built a cross platform mobile app for iOS and Android with React Native for Frisco ISD students to access their student data from the Home Access Center
- Used my custom [Frisco ISD HAC API](#) to scrape student grades from the [Home Access Center](#)
- Released on Apple App store and Google Play Store with 1000+ downloads