Hetan Thakkar

☐ (857)-200-8726 | ✉ thakkar.heta@northeastern.edu | ⚘ Portfolio | in hetan-thakkar | ⌂ Boston,MA

Education

Master Of Science - Computer Science   *Sept. 2023 - May 2025*

Northeastern University, Boston, MA   *Expected*

- Coursework: Computer Graphics, Analysis of Algorithms, Programming Design Paradigms, Database Management System

Bachelor Of Engineering - Computer Engineering   *GPA: 8.74/10.0*

Gujarat Technological University, India   *Aug 2018 - May 2022*

- Coursework: Operating Systems, Machine Learning, Computer Architecture, Computer Networks, Compiler Design

Experience

Teaching Assistant: Computer Graphics   *Sept 2023 - Dec 2023*

- **Graded assignments, exams, and projects** for over **80 students** in **C++** and **OpenGL**, assisting the instructor.   *Northeastern University*
- **Led weekly review sessions and office hours** to provide extra support to students, offering feedback on their progress and performance in the course.

Zoyride: Software Developer   *July 2022 - Jul 2023*

- **Developed React Native components** for their mobile app that connects ground transportation providers and it's customers.
- **Created an internal sales tracker tool** to track sales, locations, and routes. It provided **insights through visualization** which resulted in a **15% reduction in fuel costs.** Used **React Native** and **Spring Boot** for frontend and backend.

Ripen: Frontend Developer Intern   *May 2022 - July 2022*

- **Designed** and **added animations** for the cross-platform mobile **app that helps adults with health, finance and work.**
- **Decreased the app size by 20%** by migrating to new Hermes architecture and using vanilla react native instead of Expo.

Open Source Contributions ⌗

Contributed to widely used open-source libraries like React Native (40k+ users) and Elastic UI (29k+ users) on Github.

React Native ⬈ & FluentUI⬈

- **Added support for passing data URI in Form Data** on Android apps that imported the framework.
- **Fixed a critical interaction bug** in React Native Buttons, where it failed to respond properly when opacity changes.
- **Modified the list component** to re-render when prop changes and **changed role prop** to incorporate link-role.

ElasticUI ⬈ & React Native Elements ⬈

- **Added text-transform functionality** and **resolved render bugs** on changing pagination in the UI Table component.
- Eliminated TypeScript errors, **refactored Slider to be compatible with the web** and converted it to a functional component.

Projects

Incognito Connect: Streamlining University Experience ⌗   *React Native, Django & MySQL*

- **Centralized Platform**: Unified fragmented university information like course reviews, professor feedback, alumni connections, and event updates into a single mobile app, replacing redundant sources like Reddit, RateMyProfessor, LinkedIn, and college websites/Instagram.
- Implemented **anonymous review systems** for courses and professors, enabling honest feedback without bias. Integrated chat functionality **connecting current students with alumni** for mentorship and networking.
- Organizers can **post schedules and create clubs.** Students can engage with each other through **posts, comments, upvotes, downvotes, and channel subscriptions**.

Match50: Get matched with compatible personalities ⌗   *ReactJS, Flask and Firebase*

- Created a responsive website in ReactJS to **connect people having similar personality types.**
- Personality is determined by **the Myers Briggs personality test** wherein people with the same personalities **can get connected by their emails.** Used Firebase for database storage and made backend API's in Django.

Skills

Programming Languages	Typescript, Java, Python, C++, Swift, Kotlin
Software Development	Nodejs, React-Native, ReactJs, Flask, Spring Boot.
Databse, Frameworks & Tools	OpenGL, Git, Docker,MySQL, MongoDB, Firebase
Cloud Technologies	AWS (EC2, S3, RDS, ECR, Route53)