

Hetan Thakkar

☎ (857)-200-8726 | ✉ thakkar.heta@northeastern.edu | in hetan-thakkar | 🏠 Portfolio

Education

Master Of Science - Computer Science

Northeastern University, Boston, MA

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

Sept. 2023 - May 2025

Expected

Bachelor Of Engineering - Computer Engineering

Gujarat Technological University, India

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

GPA: 8.74/10.0

Aug 2018 - May 2022

Experience

Teaching Assistant: Computer Graphics

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

Sept 2023 - Present

Northeastern University

Zoyride: Software Developer

- 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.

July 2022 - Jul 2023

Ripen: Frontend Developer Intern

- 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.

May 2022 - July 2022

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.

Database, Frameworks & Tools

OpenGL, Git, Docker,MySQL, MongoDB, Firebase

Cloud Technologies

AWS (EC2, S3, RDS, ECR, Route53)