# Khush Makadia

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## EDUCATION

**University of Illinois at Urbana-Champaign, Urbana-Champaign, IL**  **Aug 2022 – May 2025**
*Bachelor of Science in Computer Science*  *GPA: 3.92/4.00*
**Coursework:** Introduction to Algorithms, Data Structures, Database Systems, Discrete Structures, Numerical Methods, Linear Algebra, Software Design Lab, Computer Architecture, Intro to Computer Science I & II.

## SKILLS

**Languages and Libraries:** React, Node/Express, Javascript, Typescript, GraphQL/Apollo, Chakra-UI, C++, Java, Python, Numpy, R, Auth0
**Tools and Frameworks:** AWS, VSCode, GitHub/Git, Vercel, Firebase, MongoDB, Postman, Docker, NextJS, Vite, NestJS, T3, JetBrains

## PROFESSIONAL EXPERIENCE

**Hack4Impact**  **Urbana-Champaign, IL**
*Product Manager*  *Jun 2023 – Present*
- Coordinating a team of designers and developers to create a tailored full-stack web application for nonprofits.
- Negotiating with clients to understand their needs, devise product features, and set up user testing and research.

*Software Developer*  *Sep 2022 – May 2023*
- Produced and deployed features for software applications for nonprofits as per design and project requirements.
- Optimized and debugged project code based on frequent user feedback, testing, and client needs.

**The American Marketing Association**  **Chicago, IL**
*Software Development Intern*  *Jan 2023 – May 2023*
- Created an internal dashboard that administers AMA's API Infrastructure for their 300+ collegiate chapters' students.
- Contributed to the product roadmap for creating a serverless AWS web application using React and Salesforce.

**Hack Club**  **Hoffman Estates, IL**
*Club Leader*  *May 2021 – May 2022*
- Motivated students to create and explore new technologies in software development with workshops and activities.
- Organized team meetings and scheduled various projects and events like mini-hackathons and alumni nights.

## PROJECTS

**Parivartan** | *NextJS, Typescript, Supabase, Prisma/SQL, Chakra UI*  *Aug 2021 – Apr 2022*
- Data visualization tool for the Government of India that shows filtered performance data for Indian pre-schools.
- Filtered data through a Google Apps Script and stored clean data in a Supabase SQL database.
- Implemented tiered authentication, mobile responsiveness, accessible data visuals, and more in the frontend.

**Brink Web App** | *Typescript, React, Chakra UI, Contentful*  *Aug 2022 – Jan 2023*
- Digitized the Brink Election Guide for over 70,000 disabled users by building an accessible web application.
- Collaborated with a team to make a Section 508 and WCAG-AA-compliant frontend with React, Typescript, and Chakra UI.
- Used Contentful CMS and Google Civics API to hydrate the website and fetch polling data respectively.

**CCSTutoring** | *Next, Node, React, Firebase, Postman*  *Dec 2021 – May 2022*
- Centralized my high school's computer science tutoring system with 500 students by designing an full-stack website.
- Developed full-stack web application using a Node and Firebase backend and a NextJS frontend.
- Used NextJS server functions to optimize load speeds and create a static site network with quick data filtering.

**Trucycle** | *Java, Firebase, Cloud Firebase, Android Studio, Postman*  *Jun 2021 – Nov 2021*
- Addressed the problem of improper recycling for our community by developing a user-friendly Android application.
- Used device cameras and file system to scan barcodes and find product information.
- Created an API network to translate sensory barcode information to geocoded locations with Google Maps API.

## VOLUNTEERING

**CompSci Kids 7/8**  **Hoffman Estates, IL**
*Mentor*  *Aug 2021 – May 2022*
- Taught numerous beginner Computer Science concepts to 7th and 8th grade students through routine workshops.
- Worked with other mentors to create interactive group and individual Computer Science based activities.

## HONORS AND AWARDS

- Richard E. Kolze Achievement Award  *May 2022*
- Business Professionals of America National Qualifier  *Feb 2022*
- Congressional App Challenge Finalist  *Nov 2021*