Nikhil Goel

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EDUCATION

Northeastern University | Candidate for Bachelor of Science in Computer Science

Khoury College of Computer Sciences, Expected: 2024 — Sep 2020 - Present

- GPA: 3.8/4.0 | Dean's List — Boston, MA
- Related courses: SICP, Object-Oriented Design, Algorithms and Data, Logic and Computation, Programming in C++, and Database Design

COMPUTER KNOWLEDGE

Languages & Frameworks: Java, Python, React, Redis, JS, TypeScript, Tailwind, Go, Scheme, Vue, C++, SwiftUI, Git, SQL

Tools: IntelliJ, Sanity, Visual Studio, Android Studio, Eclipse, Linux, Xcode, AWS

PROJECTS

Personal Website | www.ngoel.me — Aug 2023

- Designed and developed a personal website using React, Tailwind CSS, and the Sanity CMS, ultimately deploying it on Vercel.

Co-Founder of Fireplace — Aug 2022 - Present

- Collaborated with a fellow student to **co-found a startup** focused on helping cultivate online communities and friendships.
- Contributed to Redis integration, Neo4J endpoint establishment, React Native frontend development, and collaborative ideation for app mockups in Figma.
- Presented prototype to **200+ individuals** as part of university's pitch competition and 2-month accelerator program.

Connect Grid | www.connectgridgame.com — Jul 2023 - Present

- Attracted **10k+ users** within a month by developing and launching a sports trivia website using Next.js by hosting it on Vercel.
- Engineered a data integration pipeline by **scraping 20,000+ pages** of sports data and storing it in a PostgreSQL DB on Heroku.
- Deployed **15 iterative features** in a month, while also implementing a flexible user experience with 12 distinct configuration options through Redux store integration.

Slack Hackathon | Virtual — Dec - Feb 2022

- Built a Slack app using BoltJS that integrates with the GoogleDocs API to allow easier scheduling of meeting notes on Slack.
- Achieved a **finalist award** during the 2-month Slackathon.

EXPERIENCE

Project Lead | Scout | Boston, MA — Aug - Dec 2022

- **Led a team of 2 developers and 3 designers** to design and build a website and brand by implementing AGILE philosophies.
- Coordinated communication between the clients and third-party animation teams to build a functional website and dashboard.
- Mentored developers, imparting computer science concepts and fostering a collaborative environment to enhance team skills and optimize project outcomes.

Software Developer Co-Op | Cactivate | Boston, MA — Jan - Jul 2022

- **Engineered 50+ features** and implemented one-third of active backend systems in a startup setting, to manage users' ad accounts and support user-facing dashboards using Python, React, AWS(Eventbridge, Lambda, S3), Facebook API, and MySQL.
- Cut client management time by 70% by leading development for an automated system to optimize client ad accounts.
- Achieved 90% faster loading times by re-implementing dashboard with optimized API calls, timer-based caching, and paging.
- Interviewed candidates for software positions, participated in hiring discussions, and supported onboarding process

Teaching Assistant for Fundamentals of Computer Science I | Northeastern University | Boston, MA — Sep - Dec 2021

- Taught iteration, recursion, abstraction, and other CS concepts in Racket to an in-person lab of 40+ students.
- Reviewed and graded 30 exams and assignments weekly.
- Supported students in understanding course concepts by holding weekly office hours for 5 to 15 students.

Software Development Intern | GotBot | Cape Town, South Africa — Jul - Sep 2021

- Aided in producing a RESTful chatbot that builds a cohesive customer service experience across multiple social media platforms.
- Resolved **20 bugs** in the front-end codebase to enhance UX for companies including Toyota, Nissan, and African Bank.
- Contributed to the software development lifecycle of a 10-person development team that used AGILE principles.

SKILLS AND INTERESTS

Skills: Debate, Public Speaking, Microsoft Office, Spanish, Entrepreneurship

Interests: Traveling, Languages, Cleveland Sports, Music, Harry Potter, Breaking Bad, Advent of Code