

# SAATVIK NAGPAL

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## EDUCATION

### University of Southern California

Master of Science - Computer Science

Los Angeles, CA

Jan 2024 - Dec 2025 (Expected)

### Northeastern University

Master of Science - Computer Software Engineering [Transferred]; GPA : 4.0

Boston, MA

Sep 2023 - Dec 2023

- Relevant Courses - INFO 6205 Program Structures and Algorithms, CSYE 6200 Object Oriented Design

### Guru Gobind Singh Indraprastha University

Bachelor of Technology - Computer Science and Engineering; CGPA: 9.29

Delhi, India

Aug 2019 – Jul 2023

- Relevant Courses - Data Structures, DBMS, Object Oriented Programming, Operating Systems, Computer Networks

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python, C, C++, GraphQL, HTML, CSS, TypeScript

**Frameworks & Technologies:** React.js, Next.js, Express.js, Node.js, Tailwind CSS, Spring, Spring Boot

**Database:** MongoDB, SQL

**Tools:** Postman, Git, VSCode, MongoDB Atlas, Figma, Heroku, Vercel, Jira

**Core:** Data Structures and Algorithms, Object-Oriented Design, DBMS, Agile SDLC, Web Development

## WORK EXPERIENCE

### TGH Technologies

May 2022 - Aug 2022

Frontend Developer (Intern)

Remote

- Elevated user engagement by 50% for **The Social Town (TST)** through implementation of a dynamic user interface, effectively leveraging React.js and Redux Toolkit for seamless state management across multiple pages.
- Revamped **Boring Bots** user interface, leading to a 40% reduction in customer support inquiries and a 20% enhancement in user satisfaction.
- Initiated the creation of an advanced admin dashboard for a movie stock market application, incorporating captivating Chart.js visualizations, resulting in a substantial 30% surge in user acquisition and retention through improved data analysis capabilities.

## PROJECTS

### VidLounge | React.js, Tailwind CSS, Node.js, Express.js, MongoDB

[GitHub](#)

- Launched a fullstack video platform, serving 10+ users, driving engagement through interactive features, and enabling user-generated content with a 50MB file limit.
- Created a mobile-responsive UI, cut load times by 30% using Cloudinary for video storage, ensuring an exceptional user experience for a growing user base.

### Devshowcase | Next.js, MongoDB, Tailwind CSS, Cloudinary

[GitHub](#)

- Led a portfolio crafting web app within a three-person team, incorporating Google Auth and Json Web Tokens for robust user authentication, ensuring secure user profile management and seamless photo uploading.
- Designed and developed REST APIs to facilitate essential client interactions, empowering users to create projects and engage with the platform through features such as liking and commenting on projects.

### Quotesly | React.js, GraphQL, Node.js, MongoDB

[GitHub](#)

- Quotesly is a web-based platform for browsing and managing quotes with a user-focused design.
- Distinguished expertise in GraphQL, NodeJS, and MongoDB for the backend, unlocking the unique efficiency of GraphQL to swiftly retrieve information, ensuring Quotesly's exceptional responsiveness.
- Elevated user interaction by implementing dynamic features, allowing users to effortlessly add, update, and delete their quotes, creating a personalized and engaging experience on the platform.

## ACHIEVEMENTS

- Earned the Grand Finale victory in **Smart India Hackathon 2022** as a pivotal member of the triumphant "PeakyBlinders" team, showcasing exceptional problem-solving, collaboration, and leadership.
- Secured the 2nd Runner-Up position in the **Tally CodeBrewers** hackathon, hosted by Tally Solutions on Unstop, showcasing exceptional coding and problem-solving skills.
- Ranked 34 in the **GirlScript Summer of Code** program, contributing to over 10+ open source projects.
- Achieved recognition with the "Best Use of Postman and API" award at the **PsychHack 2022 Hackathon**.