

# SAATVIK NAGPAL

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## EDUCATION

<b>University of Southern California</b> <i>Master of Science - Computer Science</i>	<b>Los Angeles, CA</b> <i>Jan 2024 - May 2025 (Expected)</i>
<b>Northeastern University</b> <i>Master of Science - Computer Software Engineering</i>	<b>Boston, MA</b> <i>Sep 2023 - December 2023 (Expected)</i>
<b>Guru Gobind Singh Indraprastha University</b> <i>Bachelor of Technology - Computer Science and Engineering; CGPA: 9.29</i>	<b>Delhi, India</b> <i>Aug 2019 – Jul 2023</i>

## TECHNICAL SKILLS

**Languages:** Java, Javascript, Python, GraphQL, HTML, Cascading Style Sheets(CSS)  
**Frameworks & Technologies:** React, Next.js, Express.js, Node.js, Tailwind CSS  
**Database:** MongoDB, MySQL  
**Tools:** Postman, Git, VSCode, MongoDB Atlas, Figma, Heroku, Vercel  
**Core:** Data Structures and Algorithms, Object-Oriented Design, DBMS, Agile SDLC

## WORK EXPERIENCE

<b>TGH Technologies</b> <i>Frontend Developer (Intern)</i>	<b>May 2022 - Aug 2022</b> <i>Remote</i>
<ul style="list-style-type: none"><li>Elevated user engagement by 50% for <b>The Social Town (TST)</b> through implementation of a dynamic user interface, effectively leveraging React.js and Redux Toolkit for seamless state management across multiple pages.</li><li>Revamped <b>Boring Bots</b>’ user interface, leading to a 40% reduction in customer support inquiries and a 20% enhancement in user satisfaction.</li><li>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.</li></ul>	

## PROJECTS

<b>VidLounge</b>   <i>React, Tailwind CSS, Node.js, Express.js, MongoDB</i>	<b>GitHub</b>
<ul style="list-style-type: none"><li>Launched a full-stack video platform, serving 10+ users, driving engagement through interactive features, and enabling user-generated content with a 50MB file limit.</li><li>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.</li></ul>	
<b>Devshowcase</b>   <i>Next.js, MongoDB, Tailwind CSS, Cloudinary</i>	<b>GitHub</b>
<ul style="list-style-type: none"><li>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.</li><li>Designed and developed REST APIs to facilitate essential client interactions, empowering users to create projects and engage with platform through features such as liking and commenting on projects.</li></ul>	
<b>Personal Portfolio</b>   <i>Next.js, Tailwind CSS, Framer Motion, Three.js</i>	<b>GitHub</b>
<ul style="list-style-type: none"><li>Developed a dynamic personal portfolio website using Next.js and Tailwind CSS, incorporating captivating animations with Framer Motion to enhance user engagement.</li><li>Integrated a 3D avatar through the ReadyPlayerMe API and Three.js, enhancing portfolio interactivity and visual appeal, resulting in increased user engagement.</li></ul>	

## ACHIEVEMENTS

- Earned the Grand Finale victory in **Smart India Hackathon 2022** as a pivotal member of 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**.