SAATVIK NAGPAL

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EDUCATION

University of Southern California — **Los Angeles, CA**
Master of Science - Computer Science — *Jan 2024 - May 2025 (Expected)*

Northeastern University — **Boston, MA**
Master of Science - Computer Software Engineering [Transferred] — *Sep 2023 - Dec 2023 (Expected)*
- <u>Relevant Courses</u> - Program Structures and Algorithms, Object Oriented Design

Guru Gobind Singh Indraprastha University — **Delhi, India**
Bachelor of Technology - Computer Science and Engineering; CGPA: 9.29 — *Aug 2019 – Jul 2023*
- <u>Relevant Courses</u> - Data Structures, DBMS, Object Oriented Programming, Operating Systems, Computer Networks

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

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, Tailwind CSS, Node.js, Express.js, MongoDB* — **GitHub**
- Launched a full-stack 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.

Personal Portfolio | *Next.js, Tailwind CSS, Framer Motion, Three.js* — **GitHub**
- Developed a dynamic personal portfolio website using Next.js and Tailwind CSS, incorporating captivating animations with Framer Motion to enhance user engagement.
- Integrated a 3D avatar through the ReadyPlayerMe API and Three.js, enhancing portfolio interactivity and visual appeal, resulting in increased user engagement.

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.**