

SAATVIK NAGPAL

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EDUCATION

Northeastern University

Master of Science - Computer Software Engineering

Boston, MA

Sep 2023 - May 2025 (Expected)

Guru Gobind Singh Indraprastha University

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

Delhi, India

Aug 2019 – Jul 2023

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 Programming, Database Management Systems

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 online video platform, facilitating seamless video streaming and driving user engagement through interactive features such as commenting, liking, disliking, and sharing, serving 10+ users.
- Empowered user participation by implementing an impressive 50MB file size limit, leading to increased engagement through user-generated content.
- Engineered a mobile-responsive user interface, utilized Cloudinary for rapid video storage, achieving a remarkable 30% reduction in load times, and delivering an exceptional user experience for the growing user base.

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

GitHub

- Led a project showcasing web app as part of a three-person team, using Next.js as full stack framework.
- Implemented user authentication with Google Auth and Json Web Tokens, enabling secure user profile management and photo uploading/editing using Cloudinary API to store and retrieve user-uploaded photos.
- Built REST APIs to handle client requests, enabling users to create projects, like and comment on other 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.
- Prioritized mobile responsiveness and designed UI/UX for a seamless user experience across devices.

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**.