

Nirav Patel

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EDUCATION

Stevens Institute of Technology (3.8 GPA)
Master of Science in Computer Science

May 2023
Hoboken, NJ

Institute of Technology, Nirma University
Bachelor of Engineering in Computer Science

May 2021
Ahmedabad, India

SKILLS

Languages: JavaScript, HTML, CSS, TypeScript, Python

Frameworks & Technologies: React.js, Next.js, Node.js, GraphQL, Tailwind CSS, MongoDB, Bootstrap, Git

EXPERIENCE

Bright Mind Enrichment

July 2023 – current

Software Engineer – Frontend

NY, USA

- Developed Street Care web app's UI with React, reducing bounce rate by 15% and boosting user engagement by 20%
- Improved web app performance, reducing load times by 25% and enhancing overall performance by 15%
- Optimized data retrieval with Firebase DataStore, reducing retrieval times by 25%
- Revamped Street Care's website for homeless people using React.JS focusing on accessibility, which increased Interaction per Visit by 28%

Sigma Solve Inc.

July 2020 – Aug 2021

Software Development Engineer

Ahmedabad, India

- Accomplished a 500% reduction in client social media posting time by creating a multi-platform content publishing tool and integrating lead capturing webhook capabilities
- Collaborated with a cross-functional team to enhance client efficiency by 200%, gauged by client feedback, improved posting times, and a 200% increase in lead generation through captured leads.
- Supported a threefold user base increase by leveraging React, NodeJs, SQL, MongoDB, Django, and Python for development, as evident through user registrations and system metrics

VEStellaLab Inc.

June 2020 – July 2020

Software Engineer Intern

Seoul, Korea

- Implemented client facing app using various technologies including HTML, CSS, Solidity, Web3.JS, Node.js, Truffle, Metamask, Remix
- Designed a framework for agricultural food supply chain, leading to 20% more purchase power for agro-resources

PROJECTS

InTouch - [Demo](#)

- Developed an educational social-networking website using HTML, CSS, JavaScript, React.JS, Node.JS, GraphQL, MongoDB, and styled component
- Implemented automatic linking to college's Canvas account for seamless integration
- Integrated a real-time group chat feature dynamically added users based on enrolled classes
- Established real-time communication channels using WebSocket for instant updates and notifications within the group chat
- Utilized React.JS and Styled components to create interactive and dynamic components, improving usability and interactivity

News App - [Demo](#)

- Developed a dynamic and real-time Live News App using Next.js 13 & TypeScript for enhanced code quality and reliability
- Implemented Server Side Rendering (SSR) alternative in Next.js 13 to handle dynamic news data updates, ensuring the app delivers latest news to users
- Built a fully responsive Live News App with a user-friendly interface, utilizing Tailwind CSS to ensure optimal viewing experience on various devices and screen sizes including Dark Mode functionality
- Integrated StepZen to launch a GraphQL interface, enabling efficient and flexible querying of news data, enhancing app's performance and data retrieval capabilities

Tic-Tac-Toe - [Demo](#)

- Developed a fully functional Tic Tac Toe game using HTML, CSS, and JavaScript
- Incorporated dual window support, enabling players to have a side-by-side view of the game board while making their moves
- Implemented the MVC design pattern to separate the concerns of the game logic, user interface, and user interactions

PUBLICATION / RESEARCH WORK

Conference Proceedings | Peer-reviewed International Journal Publications

- **Nirav Patel** "GiNA: A Blockchain-based Gaming scheme towards Ethereum 2.0" IEEE ICC'21 - CQRM Symposium 2021
- **Nirav Patel** "BDoTs: Blockchain-based Evaluation Scheme for Online Teaching under COVID-19 Environment"
- **Nirav Patel** "KRanTi: Blockchain-based Farmer's Credit Scheme for Agriculture-Food Supply Chain" Transactions on Emerging Telecommunications Technologies