Nirav Patel

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EDUCATION

Stevens Institute of Technology (3.8 GPA) | **May 2023**
Master of Science in Computer Science | **Hoboken, NJ**

Institute of Technology, Nirma University | **May 2021**
Bachelor of Engineering in Computer Science | **Ahmedabad, India**

SKILLS

Languages: JavaScript, HTML, CSS, TypeScript, Python
Frameworks & Tools: React.js, Next.js, Node.js, Tailwind CSS, MongoDB, Bootstrap, Git

EXPERIENCE

Bright Mind Enrichment | **July 2023 – current**
Software Engineer (Volunteer) | **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%
- Integrated Firebase for secure user management, reducing login errors by 20% and boosting user engagement
- Maintained design fidelity at 95% from Figma to web pages, prioritizing mobile-first and responsive design principles using Tailwind CSS.

Sigma Solve Inc. | **July 2020 – Aug 2021**
Software Development Engineer | **Ahmedabad, India**
- Collaborated closely with designers to translate wireframes and mockups into pixel-perfect frontend designs, ensuring a consistent and seamless user experience
- Developed user interfaces for web applications using React.js, JavaScript, Bootstrap, HTML, and CSS
- Created RESTful back-end systems with Node.js, Express, and MongoDB

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

Live News App
- 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
- **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"

Peer-reviewed International Journal Publications
- **Nirav Patel** "KRanTi: Blockchain-based Farmer's Credit Scheme for Agriculture-Food Supply Chain" Transactions on Emerging Telecommunications Technologies