

Sarthak Mishra

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EDUCATION

UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK	Jan 2024
Master of Science, Computer Science Engineering	Buffalo, New York, USA
<i>Relevant Coursework:</i> Machine Learning, Data Models and Databases, NLP, Text Mining, Algorithms	
VELLORE INSTITUTE OF TECHNOLOGY	May 2022
Bachelor of Technology, Computer Science Engineering	Bhopal, MP, India
<i>Relevant Coursework:</i> Operating Systems, Python, Data Analysis, Deep Learning, C Programming	

SKILLS

Front End (HTML, CSS, Vercel, Figma, React.js, TypeScript, Vue.js, Tailwind CSS, Wireframing, Vercel)
Back End (JavaScript, Node.js, Flask, Django, REST API, Postman, Firebase, Rust(Basic), AWS EC2)
Databases (MySQL, MongoDB, Postgres, SQLite, Firestore, AWS S3, CodeCommit)

EXPERIENCE

FRONT END DEVELOPER INTERN	Nov 2024 to Present
Commotion	Remote
<ul style="list-style-type: none">Developed and maintained user interfaces for scalable web applications using ReactJS and TypeScript.Collaborated with designers to translate Figma designs into responsive and interactive web components.Streamlined version control and deployment workflows utilizing AWS CodeCommit for efficient collaboration and code management.Managed and tracked project progress through JIRA, assigning tasks and monitoring issue resolutions.	
SOFTWARE DEVELOPER	Jan 2024 to Aug 2024
CSE Dept, University at Buffalo	Buffalo, New York, USA
<ul style="list-style-type: none">Developed Ethereum Transaction Viewer, utilizing Web3.js to query the Ethereum blockchain and dynamically update the user interface with real-time transactions.Designed UI, Wireframing, and Prototyping in Figma to ensure a seamless and user-friendly experience, showcasing proficiency in UI design.Utilized ReactJS to engineer fully functional web applications, ensuring robust and scalable solutions that meet project requirements.Implemented TypeScript and Redux for state management and scalability, enhancing the efficiency and maintainability of the application.Employed lazy loading (lazy and suspense) techniques to optimize website performance and improve user experience.	
SOFTWARE ENGINEERING INTERN	Aug 2023 to Dec 2023
Resilience	Buffalo, New York, USA
<ul style="list-style-type: none">Successfully developed a React Native application catering to 1,500 daily users, focusing on seamless performance and user experience.Implemented advanced voice personalization features by integrating Core ML and TensorFlow Lite, ensuring accurate and real-time voice recognition and customization.Enhanced app performance and efficiency by utilizing FlatList instead of map() for rendering large lists, and implemented lazy loading techniques to optimize resource usage and improve load times.Optimized the app for cross-platform functionality, delivering a consistent experience on both iOS and Android devices.Deployed REST API with Node.js and Express, enhancing app performance by 20% leading to successful SPA interaction.	

PROJECTS

VIDCHATTER [GitHub](#) | [Live Project](#)

Developed and deployed **VidChatter**, a web app with a posting system, real-time chat (**Socket.io**), and one-on-one video calling (VidMeet in development) using **ReactJS** (TypeScript), **ExpressJS**, **Firebase** Authentication, and **Firestore** for secure and engaging user experiences.

NOODLE DOCS [GitHub](#) | [Live Project](#)

Built a Google Docs clone enabling real-time collaborative document creation and editing with instant updates using **Socket.io**, featuring a **ReactJS** and **TypeScript** frontend deployed on **Vercel** and an **ExpressJS** backend deployed on **Render** for robust and scalable performance.