

Nikhil Tiwari

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EDUCATION

University of Wisconsin, Madison

Madison, WI

Bachelor of Science in Computer Science

Sep. 2024 – May 2027

- Relevant Coursework: Object Oriented Programming (Java), Linear Algebra

EXPERIENCE

Software Engineer Intern

June 2024 – Aug. 2024

Taro (YC S22)

San Francisco, CA

- * Revamped the UI/UX of the company's web application using React, resulting in higher user engagement and satisfaction metrics.
- * Developed and integrated advanced features into high-demand backend tools, improving productivity and enabling customizable workflows.
- * Optimized website SEO and updated content dynamically, driving a 25% increase in click-through rates within 2 months, leveraging React and TypeScript.

Software Engineer Intern

Jan. 2022 – Present

Brahman Samaj of North America

Rochester Hills, MI

- * Led the development and scaling of a website attracting 50,000+ monthly visitors and supporting 1,000+ recurring paying members, optimizing user experience and backend performance.
- * Engineered and managed technical infrastructure for a large-scale event with 1,000+ attendees over three days, ensuring seamless AV setups, live streaming, and network reliability.
- * Integrated financial management and membership engagement tools into the BSNA platform, enhancing operational efficiency and member satisfaction.

PROJECTS

DresserToGo | Python, TypeScript, Flask, React, Node.js, Firebase, Git

Nov. 2024 – Present

- * Designed and implemented a mobile app that uses AI to analyze and split user-uploaded images into four predefined clothing categories, enabling dynamic outfit creation and personalization.
- * Developed and trained a machine learning model to accurately classify and segment clothing items, achieving high accuracy and seamless integration with the app's user interface for an intuitive user experience.
- * Built a cloud-connected backend using Node.js, Python, Firebase, and Google Drive APIs to process images, manage user-generated outfits, and securely store and retrieve data in real time.

Family Task Management App | Python, TypeScript, React, Node.js, Git

Sep. 2024 – Present

- * Developed a mobile-first web application using React, Firebase, and Node.js, implementing 4+ core features including task creation, updates, and suggested task recommendations for family task management.
- * Designed and integrated a structured database schema and API, managing records for users, families, and tasks, ensuring seamless backend and frontend interaction.
- * Built a responsive UI accessed on 20+ devices during live testing and deployed the app on Vercel, providing real-time demos with zero downtime.

IsThisAScam? | TypeScript, React, Firebase, Git

Sep. 2024 – Present

- * Built a web platform using React to report and identify scams with real-time updates and categorized feeds.
- * Fine-tuned an AI model using over 100 real-world scam examples, achieving 90%+ accuracy in scam detection.
- * Designed a database with Firebase to store and analyze scam reports, supporting trend tracking and insights.

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, HTML/CSS, Kotlin

Frameworks: React, Node.js, Flask, Material-UI

Developer Tools: Git, Google Cloud Platform, VS Code, IntelliJ, Eclipse

Libraries: pandas, NumPy, manim