NEHANSH ALWALA

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PROFESSIONAL SUMMARY

Frontend Developer with a strong focus on building clean, interactive, and performance-driven user interfaces. Experienced in React-based applications, modern CSS frameworks, and integrating AI-powered APIs. Passionate about crafting polished UI/UX experiences that feel intuitive, responsive, and engaging.

SKILLS

Frontend: React, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS
Animations & UI: Responsive Design, UI/UX Principles, GSAP
Backend & Databases: REST APIs, Node.js, SQL, SQLite, Supabase
AI & Data Science: Gemini API, Python, Pandas, Streamlit
Developer Tools: Visual Studio Code, Jupyter Notebook, Git, GitHub

PROJECTS

MacOS-Style Interactive Portfolio | Link
MacOS inspired portfolio built with React in vite, Tailwind CSS, GSAP animations

- Designed and developed a macOS-inspired portfolio interface that mimics a desktop experience instead of traditional scrolling pages.
- Built reusable React components and styled them with Tailwind CSS to achieve a clean, system-like UI.
- Implemented a polished GSAP-powered welcome animation to create a strong first impression while keeping the rest of the site lightweight and performant.
- Focused on responsiveness, accessibility, and smooth interactions across devices.

Graduate Teaching Assistant Management System (GTAMS) | Link
Full-stack web application built with React.js, Node.js, CSS and Supabase

- Built a scalable platform to streamline TA application and evaluation workflows for faculty, staff, and applicants, improving efficiency and accessibility.
- Automated application management and evaluation tracking, reducing manual oversight and cutting administrative processing time by ~20%.
- Integrated real-time data handling via Supabase to keep application statuses and evaluations updated seamlessly.
- Designed a responsive, user-friendly interface in React.js for easy interaction on both desktop and mobile.

Lang2SQL – LLM-Powered Natural Language to SQL Assistant | Link
AI-powered chat interface built with Streamlit, Gemini AI, Pandas, and SQLite

- Developed a natural-language-to-SQL assistant that allows users to interact with databases without writing SQL queries.
- Enabled uploading of SQLite, CSV, or Excel files, with live query execution and instant previews of results.
- Added features such as database schema viewer, action history, and one-click download of updated databases, improving usability and transparency.
- Achieved ~85–90% accuracy on standard business queries through Gemini AI integration.

Gemini AI Clone | Link

Q&A Chatbot built with React, JavaScript, CSS, Gemini API

- Developed a real-time Q&A chatbot integrating Gemini API for accurate and context-aware responses.
- Designed an intuitive conversational interface for seamless user interactions.
- Implemented low-latency communication between front-end and API, optimized API calls, and robust error handling for reliability under high traffic.
- Enabled experimentation with AI queries, supporting factual, exploratory, and conversational interactions.

PROFESSIONAL EXPERIENCE

Front-End Software Developer Intern   *Jul 2022 – Jan 2023*

Nohung - Remote

- Joined a fast-paced startup building a no-code eCommerce platform; tasked with enhancing front-end user experience.
- Developed responsive web components using React.js, JavaScript, HTML, and CSS. Integrated REST APIs using Axios and Fetch, translated Figma designs into code with mobile-first principles.
- Improved page load performance by 30% and reduced cart abandonment by 15% by optimizing component structure and API calls.
- Collaborated in Agile environment, contributing to sprint planning, code reviews, and GitHub workflows.

EDUCATION

Master of Science in Computer Science   *Aug 2023 – May 2025*

Florida Atlantic University, Boca Raton, FL   *GPA: 3.86/4.0*

- Certificate in Artificial Intelligence

PUBLICATIONS

1. D.Varma, A.Nehansh, and P.Swathy. *Data preprocessing toolkit An Approach to Automate Data Preprocessing*. International Journal of Scientific Research in Engineering and Management (IJSREM), 2023.
2. D.Varma, A.Nehansh, J.Adya, and A.Gupta. *Automated debugging Still a dream?* International Journal of Scientific Research in Engineering and Management (IJSREM), 2023.