

Muzammil Shanjer

Software Developer

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SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, Typescript, Go
Libraries / Frameworks: React, Next.js, Tailwind CSS, Bootstrap, Scikit Learn, NumPy
Other: Git (GitHub, GitLab), Unix Tools, Bash, PostgreSQL, RESTful APIs, Supabase

PROJECTS

Personal Website – *Typescript, Next.js, Tailwind CSS, Figma, Vercel*

- Designed a dynamic and interactive user interface in Figma and converted to code using Typescript, Next.js, and Tailwind CSS creating a seamless and engaging web experience
- Built and deployed project via Github and Vercel

Watch Marketplace E-Commerce Platform– *Typescript, Next.js, Tailwind CSS, Figma, Supabase, Stripe*

- Crafted a seamless and engaging user experience through intuitive UI/UX design in Figma
- Developed a responsive, feature-rich frontend using TypeScript, Next.js, and Tailwind CSS, translating Figma designs into functional code
- Engineered a robust backend with PostgreSQL, integrating Supabase for secure user authentication and real-time tracking of listings and cart activity.
- Implemented secure Stripe payment processing, enabling full-fledged e-commerce transactions and creating an application ready for commercial deployment.

DaySnap Android App – *React Native*

- Engineered "DaySnap," a React Native mobile application, that enables users to organize and access photos by date through an intuitive calendar interface
- Implemented a journaling functionality that allows users to caption their daily images or create text-only journal entries on days they didn't feel like taking a photo
- Implemented AI-powered image tagging and search functionality, enhancing photo discovery and user engagement.
- Developed a "Memory Lane" feature, creating automated daily and weekly photo recaps, improving user experience and content recall.
- Optimized application performance for various mobile devices, ensuring a smooth and responsive user experience.

EXPERIENCE

Software Engineer AI Training – *Scale AI*

May 2024 – August 2024

- Evaluated API tool use by Large Language Models (LLMs) across a broad range of user prompts and model responses
- Analyzed code generated by LLMs and associated user prompts to assess intent, verify output accuracy, and correct errors as needed
- Guided RLHF training for several AI Models at varying stages of capability
- Engineered prompts to systematically expose model weaknesses, enhancing targeted training data for error reduction and performance improvement
- Performed side-by-side evaluation and ranking of model responses to assess adherence to prompt constraints, code executability, and correctness
- Collaborated in writing clear, high-quality justifications for model response improvements, providing detailed feedback for iterative learning

EDUCATION

University of Toronto – *Bachelor of Computer Science*

Sept 2021 – Expected Graduation: June 2026

- Relevant Courses:** Data Structures and Analysis, Software Design, Systems Programming, Algorithm Design and Analysis, Machine Learning, Linear Algebra, Discrete Mathematics, Multi Variable Calculus, Probability and Statistics

VOLUNTEER

Blood and Cancer Medical Care – *Patient Records Coordinator*

Feb 2019 – Apr 2019

- Diligently managed patient information and entry history using Excel spreadsheets
- Facilitated smooth communication within the clinic by maintaining up-to-date records

Bluevale Collegiate Institute – *Electric Car Club Member*

Oct 2019 – May 2021

- Successfully managed the project timelines, fostering teamwork and showcasing organizational skills
- Created multiple prototypes to demonstrate the car designs proposed