Sameer Karodia

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EDUCATION:

Ontario Tech University   **September 2023- April 2027**

Bachelor of Engineering - Software Engineering (GPA: 4.06 / 4.3)

TECHNICAL SKILLS:

Languages: C++, CSS, HTML, Java, JavaScript, Matlab, PHP, Python, React, SQL, Typescript
Technologies: Bootstrap, FastAPI, Git, jQuery, MySQL, Node.js, OpenCV, ReactJS, TensorFlow

RELEVANT EXPERIENCE:

Flex Developer | FedEx | Scarborough, ON   **August 2024 - Present**
- Developed and tested software to increase route efficiency by **15%** using **Dijkstra's** algorithm during delivery operations, which helped to improve daily delivery performance and reduce package delays
- Designed and implemented automated tracking **scripts** in Python to analyze delivery performance and improve workflow efficiency

Data Entry Representative | KGS Research | Toronto, ON   **May 2024 - August 2024**
- Efficiently recorded and managed **up to 300** participant responses, feedback, and critical data daily during calls, ensuring consistent data integrity and completeness
- Systematically entered and updated gathered data using **MySQL** in tracking systems (Zoiper, Vicidial) to maintain precise and well-organized databases
- Dealt with diverse sets of state-specific election information across multiple U.S. states, ensuring timely processing and compliance with state-specific deadlines along with regulatory requirements

PROJECTS:

Carpooling Website | HTML, CSS, PHP, MySQl *(Github Link)*   **August 2024**
- Developed a full-stack carpooling system enabling users to post and search for available trips, track previously taken and offered rides, and navigate an intuitive, user-friendly frontend for an enhanced ride-sharing experience
- Designed and visualized the user interface using a **Figma** prototype then used **HTML**, **CSS**, and **JavaScript** to create the front end, making it more intuitive and guaranteeing a clear and simple user experience across devices
- Worked on developing a fully functional **PHP** and **MySQL** backend, implementing **secure user authentication**, carpool ride postings, and a search feature, ensuring efficient data management and security.

Automotive Services Website | React, Typescript *(Github Link)*   **January 2025**
- Developed a dynamic auto shop website using **ReactJS** and **TypeScript**, providing users with detailed information on detailing, brakes, tuning and more services
- Integrated and ensured a smooth **API**-based booking system (Booksy), enabling seamless online appointment scheduling for customers while allowing owner to update available time slots in real time
- Implemented modular and reusable components, improving maintainability and **scalability** of the application.

Mental Health AI Platform | React, FastAPI, MySQL *(Github Link)*   **February 2025**
- Developed a full-stack **AI-powered** mental health application that helps users monitor stress levels, analyze emotions, and track journaling activities
- Implemented emotion detection using webcam-based **facial recognition** and text sentiment analysis with **NLP** to assess user mood and stress levels with **96%** accuracy
- Designed and built an event logging system that predicts stress levels based on upcoming events (e.g., exams, meetings), providing proactive coping strategies
- Integrated a **FastAPI**-based backend to handle AI analysis, user authentication, and secure data storage in **MySQL**, ensuring encrypted user information