DHRUV SAGRE

Ontario, Canada

📞 519-614-4696 ✉ dhruvsagre252@gmail.com in linkedin.com/in/dhruv-sagre-54998122a/ ○ github.com/DSagre

Education

Western University   **Sep. 2020 – May 2024**
Bachelor of Engineering in Software Engineering   *London, Ontario*
- Dean's Honor List (2022-2024)

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithm Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- Systems Programming
- Game Design

Experience

AIR Studio   **January 2025 – Present**
Software Developer   *Hybrid, Toronto, Canada*
- As a Software Developer at AIR Studio, I've had the opportunity to develop and deploy 3+ scalable applications used by more than 30 clients, which include an AI and large language models to fintech platforms.
- Some of the projects I undertook at the company include an AI-Powered Virtual Try-On Web App that increased user engagement by 60% in internal testing, Streaming Integration for Proprietary LLMs, and Crypto Trading Platform Enhancements.

Outlier AI   **Oct 2024 – May 2025**
Freelance AI Model Evaluator   *Remote, Canada*
- As an evaluator at Outlier my goal would be to enhance the performance of cutting-edge generative AI models by providing expert human feedback.
- I also engaged in diverse projects aimed at refining AI-driven coding capabilities and improving language model outputs.

Secure Authorities   **May 2023 – August 2023**
Backend Developer   *Remote, Canada*
- Designed and fully implemented the database for an e-commerce website using new implementation technologies mainly found in the T3 Stack such as Typescript, mySql, and Prisma.
- Learned about the workflow and communication required when working on a company project that is extremely time sensitive.

Projects

Bell Artificial Intelligence Technician | *Python, PyTorch, Numpy, Angular, Typescript, GCP,NoSQL*   **March 2024**
- B.A.I.T. is a tool for Bell technicians and customers which allows them to resolve issues related to billing, routers, BELL software, products and more.
- Created NLP model achieving 80% accuracy in intent recognition across 4 integrated AI subsystems which included a billing parser, documentation identifier, image classification, and an image captioning model. The NLP model I designed gathered the data received and created a relevant query for the model I trained on tech-support data to return a solution.

Screen Sight | *Python, Jupyter, Computer Vision, Augmented Reality, Virtual Reality*   **March 2024**
- Screen Sight is a tool I envisioned along with a group to address the current limitations of pass-through mode in modern virtual reality (VR) headsets. Mainly when using devices such as a smartphone.
- Implemented masking techniques using AI to help mask where the smartphone is on the video feed of the VR headset, which helps position the phone screen overlay on top of the phone.

UWOutlines | *Angular, JavaScript, MySQL, OpenAI API, Node.js, Back-End Web Development*   **April 2023**
- UWOutlines is robust web-app for editing and managing university course outlines, created for use by faculty and administrators at the University of Western Ontario.
- Led the backend development of the web-app. This included designing and implementing RESTful APIs, managing user authentication and permissions, integrating ChatGPT with the editing system, and building infrastructure for feedback, notification, and requisite management systems while ensuring data security, system reliability, and maintainability.

Technical Skills

Languages: Typescript/Javascript, Python, C++, CSharp, ARM Assembly, Java, HTML, SCSS/CSS, SQL
Developer Tools: VS Code, Unity, Unreal Engine, Google Cloud Platform, AWS, Jupyter, Git, React, MySQL, Microsoft Office Suite
Technologies/Frameworks: Linux, GitHub, WordPress, Angular, Express.js, PyTorch, Numpy, Pandas, Node.js, TensorFlow