

Manvir Sahi

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EDUCATION

University of Waterloo Bachelor of Computer Science	Waterloo, ON April 2025
<ul style="list-style-type: none">Relevant Courses: Object-Oriented Programming, Foundations of Sequential Programs, Applications Development, Intro to Database Management, Operating Systems, and Intro to Artificial Intelligence	
Wilfrid Laurier University Bachelor of Business Administration	Waterloo, ON April 2025
<ul style="list-style-type: none">Awards: Ernst and Young Entrance Scholarship and President's Gold Scholarship	
Meta Certificate of Full Stack Development	Online August 2023
<ul style="list-style-type: none">Covered Full Stack Concepts, HTML, CSS, JavaScript, Django, MySQL, version control, and APIs.	
Certificate of API Development	August 2023
<ul style="list-style-type: none">Developed RESTful APIs with Django REST Framework, JWT and Djoser.	

WORK EXPERIENCE

Motoinsight Data Automation Analyst	Toronto, ON January – April 2022
<ul style="list-style-type: none">Designed and maintained a library of Python scripts using Pandas and Selenium to automate data validation and cleansing processes, resulting in a 98% reduction in discrepancies.Initiated a Python script for automating the detection of image-description mismatches on dealership websites, achieving a flawless 100% accuracy rate across all platforms.Collaborated with Quebec sales teams to develop a customized script to automate conversion of PowerPoints in English to French, resulting in a 25% improvement in productivity.Gained proficiency in project management tools such as Confluence, Jira, and Salesforce, facilitating effective collaboration and documentation.	
Poize Wealthtech (Prof of Wall Street) Software Developer	Remote January – April 2022
<ul style="list-style-type: none">Developed a custom portfolio returns module, utilizing local CSV files and collaborating with the Analytics team to implement the QuantStats library for obtaining desired metrics.Created interactive analytics reports using partial templates that would render a Plotly graph using JavaScript and HTML for better data visualization and informed decision-making.Integrated Stripe subscription services to enhance payment tracking and user experience.Generated API endpoints using Flask and a Firestore Database to generate user stock trade ratings, facilitate journal updates, and enable real-time stock data retrieval, resulting in enhanced data availability.Orchestrated Docker image creation for deployment, and scalability, while including user-friendly error messages and implementing model validation using Pydantic for consistent data handling and reliability.	

PROJECTS

- Alarm Journal:** Created a Flutter application for Android and iOS platforms, enabling users to seamlessly set alarms, repeat alarms across multiple days, and monitor snooze button activity.
- Markdown Editor:** Developed Markdown editor using Kotlin and JavaFX for CS346. Key personal achievements encompass the implementation of features such as PDF and HTML export, the creation installer, support for multiple instances, table of contents generation, and the local storage of settings.
- Restaurant API:** Constructed a robust Django-based API as part of the Meta API certification, for a fictional establishment. This API encompasses endpoints crafted for operational aspects of menu management, ordering, cart handling, delivery logistics, and user administration.
- Online Reservations:** Built an online reservations web-app for Meta Full Stack certification by developing a booking API using Django framework functionality with a MySQL database, and an intuitive interface for managing and displaying booking times through JavaScript and HTML.

SKILLS & INTERESTS

Languages: Python, JavaScript, C++, Kotlin, R, SQL, Dart

Technologies: Django, Flask, Selenium, OpenCV, NumPy, ReactJS, NodeJS, Material UI, Linux, Git, Docker, Firebase, Android Studio, Flutter

Interests: Enjoy playing basketball and volleyball, with a passion for automotive mechanics, and an avid reader of autobiographies, business literature. Additionally, actively engage in web and mobile app development during my spare time.