MANVIR SINGH SAHI

3A Computer Science UW / Business WLU

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EXPERIENCE

Software Developer - Poize Wealthtech (Cognizantly Inc.)
📅 Jan 2022 - Apr 2022

- Developed API endpoints using **Flask**
- Developed partial templates with **ReactJS** and **Plotly** populated with data from **QuantStats** Module
- Assisted with creation of **Docker** image to maintain dependencies when website is deployed
- Completed **Black Box Testing** for new backend features
- Integrated **Stripe** payment system with **FireStore Database**

Data Automation Analyst - Motoinsight, Division of Trader Corp
📅 Jan 2022 - Apr 2022

- Improved **Python** scripts using **Pandas** and **Selenium** that identifies 95% of data inconsistency
- Developed script to report 99% of missing images from websites managed by Motoinsight
- Utilized **Postman** to ensure API requests returned the desired data
- Created documentation on **Confluence** so future co-ops and employees can run scripts with no prior experience

Backend Developer - WInterview
📅 Jul 2020 – Sept 2020

- Refined error reports to be stored in a local **JSON** file using **Java** to reduce expenses of online database
- Improved application efficiency by restructing backend from **Realtime Database** to **FireStore**
- Documented changes committed on **GitHub** and worked on multiple different branches

Summer Intern - M&M Carriers
📅 Jun 2020 – Aug 2020

- Accurately prepared **data entries** with TransPlus
- Professionally **communicated** with customers such as GM, Ford, and FCA on trip status
- Audited driver trip reports to ensure **accuracy** between TransPlus and QuickBooks

PROJECTS

- *Age Prediction* : Using **NumPy** and **Pandas** to estimate age given the food preferences of an individual

- *Vehicle Price Prediciton* : Multi-Variable model to determine car price that required dataset to be cleaned using **Python Dataframes**

- *Iris Classifier* : **Logistic Regression Model** with front-end developed using **Flask** to allow user to input variables on trained model

- *Stock Price Prediction using Technical Analysis*: Using **Matplotlib** and **yfinance** to indicate buy or sell based on DMA, MACD, RSI, and 3MA

PROFESSIONAL SKILLS

- **Languages**: Python, JavaScript, C++, C, Kotlin, R, SQL
- **Technologies**: Flask, React, Pandas, Sci-kit Learn, Android Studio, Selenium, NumPy, Linux, Git, Docker, NodeJS, OpenCV, MongoDB, FireBase, FireStore

EDUCATION

University of Waterloo - Computer Science
📅 2020 – 2025

- **Relevant Courses**: Designing Functional Progams, Algorithm Design/Data Abstract, Object-Oriented Programming, Logic and Computation, Intro to Optimization, Statistics

Wilfrid Laurier University - Business Adminstration
📅 2020 – 2025

- **Relevant Courses**: Intro to Financial Accounting, Financial Management, Organizational Behaviour, Managerial Accouting, Business Law

Stanford University - Machine Learning Certificate
📅 2021

Hong Kong University - Full Stack Development Certificate
📅 2021

AWARDS

- **Ernst and Young Entrance Scholarship**
  Granted for entering Lazaridis School of Business and Economics with one of highest averages of the top six 4U/M courses.

- **President's Gold Scholarship**
  Received for maintaining a 99.5% average or higher in your best six 4U/M courses