

VIKRAM CHANDAR

68 Brookfield Court, Brampton, ON L6Y4K3 | 905-781-5826 | [LinkedIn](#)

chandarv@mcmaster.ca | [GitHub](#) | [Developer Portfolio](#)

EDUCATION

Bachelor of Engineering GPA: 11.0/12.0

Sept. 2022 - Present

McMaster University, Hamilton, ON

TECHNICAL SKILLS

- Languages: Python, Java, Javascript, C, C++, bash, git, HTML, CSS,
- Frameworks/Libraries: Maven, Tensorflow, Scikit-learn, matplotlib, seaborn, pandas, numpy
- Databases: MySQL, Windows SQL, MongoDB

WORK EXPERIENCE

Jr Fullstack Developer (Co-op)

May 2023 – Aug 2023

Alluri Technologies Inc. @ BMO, Toronto, ON

- Implemented a **maven** framework to automate **selenium** testing on BMO **Investorline UI**. New **framework** and **selenium** implementation reduced code **runtime** by **65%**
- Added visual **UI** notifications for limit and stop trades using **JavaScript** and styled the elements with **CSS**
- Used **SQL** to validate trade orders and status by sending appropriate **queries** the BMO database

TECHNICAL PROJECTS

Stock Closing Price Forecaster:

Technical Skills: Python, Jupyter Notebook, Tensorflow, Matplotlib, seaborn

- Used a **Recurrent Neural Network** comprised of **LSTM** cells to predict future closing prices of tech stock with a **root mean squared error** of less than **0.05**.
- Analyzed stock trends using **pairgrids**, **histplots**, **pyplots** and **heatmaps** to determine the optimal **data representation** to compute in the **RNN model**
- Displayed the comparison between actual closing prices and predicted closing prices visually using a **matplotlib** and **numpy**

Spam Filter:

Technical Skills: Python, Jupyter Notebook, scikit-learn, matplotlib, seaborn, Flask, customtkinter

- A **supervised learning model** stacked using classifier models like **Logistic Regression**, **Multinomial NB**, **SVM** is used to classify an email as spam or not
- Created a **Restful API** using **Flask** streamlining the accessibility of the **model** coupled an interactive **GUI** made with **customtkinter** to visually represent the result.