Siddarth Krishnan . Jarvis Consulting

I'm a recent computer science graduate passionate about machine learning and advances in the financial space like decentralized finance. My excitement stems from seeing how we can identify patterns in big data set with the use of deep learning and different neural network architectures. In addition, I've been paying close attention to the proliferation of decentralized protocols in blockchain technology and how creative developers have gamified finance with Web3. I want to gain experience with time series analysis and working with other data sets to really establish my knowledge of machine learning algorithms.

Skills

Proficient: Python, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git

Competent: Java, C++, Smalltalk, Docker, Javascript

Familiar: PyTorch, React, Vue, MATLAB, Rust

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_SiddarthKrishnan

Cluster Monitor [GitHub]: Set up monitoring scripts for a linux cluster to track usage statistics for several nodes. These nodes are connected locally and the script will periodically populate a table with each node's current usage information.

Core Java Apps [GitHub]:

- Twitter App: Curabitur laoreet tristique leo, eget suscipit nisi. Sed in sodales ex. Maecenas vitae tincidunt dui, et eleifend quam.
- JDBC App: Curabitur laoreet tristique leo, eget suscipit nisi. Sed in sodales ex. Maecenas vitae tincidunt dui, et eleifend quam.
- Grep App: Curabitur laoreet tristique leo, eget suscipit nisi. Sed in sodales ex. Maecenas vitae tincidunt dui, et eleifend quam.

Springboot App [GitHub]: Not Started

Python Data Analytics [GitHub]: Not Started

Hadoop [GitHub]: Not Started

Spark [GitHub]: Not Started

Cloud/DevOps [GitHub]: Not Started

Highlighted Projects

Machine learning object recognition assignment: Goal was to deploy machine learning model (neural network architecture) to identify objects by a class label. We wanted to understand why deep learning was preferable for computer vision tasks.Used transfer learning approach, adapting a prefined CNN for our dataset. We had a hard time achieving classification lower than standard benchmarks for the R-CNN models. We could have focused more on preprocessing data and adjusting the network through drop layers. We also should have read more literature on networks for image classification as we were unable to correct overfitting and accuracy issues in the given time.

Professional Experiences

Junior Software Developer, Jarvis (2021-present): Gaining experiecne with many development tools and programming paradigms. Implemented a linux cluster monitoring agent to track node usage on a local network.

Cast Member, Cineplex (2021-present): Guest services role. Worked in concession area serving food and preparing orders. Checked vaccine certificates for all theatre entrants. Closing and opening duties.

Education

Ryerson University (2018-2021), Bachelor of Science, Computer Science - GPA: 3.3/4

Miscellaneous

- Receational sports
- Defi research
- Trading