Udbhav Prasad

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Work Experience

Application Programmer, Ministry of Health and Long-Term Care (MOHLTC) Sep 2020 – Apr 2021

- In the need to find the maximum users the server could handle, I created JMeter scripts to Performance Test SAS Viya and Cognos reports which resulted in determining the server constraints and bottlenecks

Education

Ryerson University | Toronto ON
Computer Science – BSc (Co-op) *Sep 2018 – May 2023*
CGPA: 3.75 (Dean's List '19- '20)

Majoring in Computer Science

- Data Structures
- Object Oriented Programming
- Functional Programming

Minoring in Mathematics

- Calculus & Computational Methods
- Linear Algebra
- Discrete Mathematics

Technical Skills

Languages

- Python
- Scala
- SQL
- Java
- C

Technologies

- Apache Spark
- Hadoop
- Apache JMeter
- Tableau
- SQLite
- MS Office
- Linux & UNIX
- Git

Libraries

- PyTorch
- Keras
- Scikit-Learn
- Spacy
- NLTK
- NumPy
- Pandas
- Matplotlib
- Seaborn

Projects

(Code on GitHub)

Stock Price Prediction with LSTMs

Data Analysis | Time-Series Analysis | Deep Learning | May 2020

- Using Long-Short Term Memory Recurrent Layers to predict Stock Prices based on previous 59 values
- Implemented multiple models for a variety of stocks both in PyTorch & Keras
- Stock data visualized using Tableau and Seaborn

Credit Card Fraud Detection with Spark

Big Data | Data Analysis | Machine Learning | April 2020

- Using Scala API for Apache Spark, run on a local cluster
- Used Random Tree Classifier for Binary Classification to achieve a 90 percent Test Accuracy

Generating Fake Faces with Convolutional Variational Autoencoders

Dimensionality Reduction | Computer Vison | Deep Learning | August 2020

- An Unsupervised Learning Model (Autoencoder) that learns to map important features of faces
- Compresses Images to 100-Dimensional Continuous Representation
- Interpolation across latent space creates faces of people that never existed