Udbhav Prasad

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Portfolio: udbhavprasad.com

Work Experience

Application Programmer, Ministry of Health and Long-Term Care (MOHLTC)

- Create daily IBM Cognos reports
- Assist in creating in-house Data Analytics library in Python

VP of Finance, IEEE Ryerson University Student Branch

- Securing funding for IEEE Ryerson events and managing program finances

Founder and Mentor, Parkdale Programming Club

- Tutored Java and C# (OOP) to peers & held programs to boost interests in CS

Education

Ryerson University | Toronto ON
Computer Science – Honours BSc (Co-op)
Sep 2018 – May 2023

CGPA: 3.75

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
- Tableau
- SQLite
- MS Office
- Windows
- Linux & UNIX
- Git/GitHub

Libraries

- PyTorch
- Keras
- TensorFlow
- Scikit-Learn
- Spacy
- NLTK
- Numpy
- Pandas
- Itertools
- 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 to predict Stock Prices based on previous values
- Implemented multiple models for a variety of stocks both in PyTorch & Keras
- Stock data visualized using Tableau

Pneumonia Detector with CNNs

Computer Vision | Deep Learning | April 2020

- Convolutional Neural Networks to Detect Pneumonia from Chest X-rays
- Training done with scikit-learn and Keras
- Achieved 90 percent validation accuracy and 96 percent train accuracy

Image Coloring with Deep Convolutional Autoencoders

Data Analysis | Computer Vison | Deep Learning | March 2020

- An Unsupervised Learning Model (Autoencoder) that learns to color images
- Used on a variety of images: from Simpsons to Cars
- Model Trained on GPU with CUDA Tensors