Rohan Singh Rajput

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Deep Learning enthusiastic currently pursuing Master's in Computer Engineering from University of Central Florida, looking for research experience.

KEY SKILLS

Programming Skills: Python (2.7), SQL, MatLab(2015), Java EE, Core Java,Web-GL, R.

Application Packages: Anaconda, Octave, Eclipse IDE, BlueJ, Notepad++, MySQL database, Git, MS Office, WordPress.

Machine Learning: TensorFlow, Theano, Scikit Learn, Cuda. BigData Hadoop, Spark.

COURSES

University of Central Florida

- Natural Language Processing
- Genetic Algorithm
- Autonomous Robotics
- Optimal estimation of Control

Coursera

- Machine Learning - Andrew Ng
- Neural Networks - Geoffrey Hilton
- Matlab - Vanderbilt University
- Python - University of Michigan

edX

- Artificial Intelligence – UC Berkley
- Java – Hong Kong University
- Probability and Statistics - MIT

VOLUNTEERING

- Technical Volunteer at Stanford machine learning conference.
- Technical Volunteer at BigData LA.
- Mentor at Coursera on Matlab course.
- Mentor at Knight Hack event.

PROJECTS

SPAM CLASSIFIER USING NEURAL NETWORK

Created Spam detector using machine learning algorithm with logistic regression and neural network. Trained large set of data with result of 97% accuracy. Participated in Kaggle twice for the project.
Technologies used: Python2.7 Theano, Scikit Learn, Anaconda IDE, Personal mail box data, Matlab for plotting and verification with small data set.

NOVELTY SEARCH IN DYNAMIC ENVIRONMENT

Performed unsupervised learning using K-means clustering to introduce dynamical search space for Genetic Programming. Used Neural evolution concept by Dr. Kenneth Stanley.
Technologies used: Java, Processing visualization software, Matlab.

TEX RANK ALGORITHMS USING TENSORFLOW FOR TEXT SUMMARIZATION

Created Machine Learning algorithm for Natural Language Processing Application of test summarization using Tex Rank algorithm. Used next generation TensforFlow framework for GPU parallel processing algorithm. Obtained result with high Rouge Score
Technologies used: Python2.7, Scikit Learn, Anaconda, TensorFlow, CUDA,Rouge toolkit, Stanford NLTK library.

OPEN SOURCE CONTRIBUTION

- Deep Learning contributor at NIVIDA high performance computing academy.
- Member of TensorFlow development community of Google Brain Project.

WORK EXPERIENCE

RESEARCH ASSISTANT at INSTITUTE OF SIMULATION AND TRAINING

Orlando, FL ▪ January 2016
Developing contextual Curricular Modules for Cyber Security Informatics at Institute of Simulation and Training for Intel grant project.

SYSTEM ENGINEER at TATA CONSULTANCY SERVICES

Mumbai, INDIA ▪ 2014 to 2015
Worked on client project for Honeywell Inc. on their B2B (Business to business) based e-commerce suite development.