KUMAR SIDDHANT

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OBJECTIVE

Passionate in the field of Software Development and have a knack to solve problems. Have worked on projects related to Machine Learning and Deep Learning. Looking for full time opportunities in the field of Software Engineering.

TECHNICAL SKILLS

PROGRAMMING: Java, Spring, JSP, WebServices, MySQL, XML, Python, C, Matlab, Tensorflow, Android, HTML, CSS

EDUCATION

Rutgers University, New Brunswick, New Jersey   May 2019, CGPA: 3.67/4
Master of Sciences (M.S) in Electrical and Computer Engineering

National Institute of Technology, Rourkela, India   May 2014, CGPA: 8.48/10
Bachelor of Technology in Electrical Engineering

WORK EXPERIENCE

Verizon Data Services India, Hyderabad, India   Aug 2014 – Aug 2017
Software Development Engineer
Worked as a developer to manage the MyVerizon portal which is the self-service portal for Verizon wireless customers.
- Full stack development of MyVerizon application and bug fixes.
- Responsible for end to end development and delivery of an existing product Total Mobile Protection and a new product Total Account Protection.
- Established as a SME for Products and Apps page of the MyVerizon application.

Crowd images annotation and analysis using Cascaded CNNs, Rutgers University   June 2018 – Aug 2018
Summer Research Assistant
- Annotation of approximately 4k Crowd images using MTurk.
- Training the Cascaded CNN for Crowd Counting and Density Estimation.

PROJECTS

Face Recognition , Rutgers University   Mar 2018 – May 2018
- Implementation of face recognition algorithm using AlexNet and VGG16 by training them from LFW dataset.
- Implementation of face recognition algorithm using PCA, LDA, SVM SRC on YaleB dataset.

Parallel Merge Sort, Rutgers University   Mar 2018 – May 2018
- Redesigned divide and conquer algorithm, Merge Sort, to improve time complexity and resource utilization efficiency.
- Improved the time complexity of merge-sort up to 3.12 times.

Deep Learning Nanodegree, Udacity   Sept 2017 – May 2018
- Implemented a neural network in Numpy to predict bike rentals.
- Built a convolutional neural network with TensorFlow to classify CIFAR-10 images.
- Trained a recurrent neural network on scripts from The Simpson's (copyright Fox) to generate new scripts.
- Trained a sequence to sequence network for English to French translation (on a simple dataset).
- Used a DCGAN on the CelebA dataset to generate images of novel and realistic human faces.

Thoracic Disease prediction using chest X ray images, Rutgers University   Apr 2018 – May 2018
- Development of a Convolutional Neural Network (CNN) to classify the thoracic diseases from the chest X-ray images from the NIH database.

Location Prediction using collaborated network in smartphones, Rutgers University   Sept 2017 – Dec 2017
- Development of a context feature collection application in Android to obtain data on smartphones.
- Application of the concept of collaborative filtering to predict the context of the user.

CERTIFICATIONS

- Udacity Deep Learning Nanodegree
- Coursera Machine Learning (Ongoing)

AWARDS

- Certificate of Recognition in appreciation of extraordinary efforts and contribution to Self Service and Wireless Mobility in April 2017
- Team award for outstanding performance for the project in Total Mobile Protection in April 2017
- Special Recognition Award from the Executive Director for commitment to excellence in Verizon in December 2016
- Spotlight award for commitment to outstanding performance in Verizon in December 2016.
- Spotlight award for commitment to outstanding performance in Verizon in August 2016.