Paarth Neekhara

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EDUCATION

IIT ROORKEE
B.Tech in Computer Science
2013 - Present | Roorkee
Cum. GPA: 8.55 (Scale of 10)

LINKS

Website:// **paarthneekhara.github.io**
Github:// **paarthneekhara**
LinkedIn:// **paarth-neekhara-4161a787**

RELEVANT COURSES

UNDERGRADUATE
Design and Analysis of Algorithms
Optimization Techniques
Operating Systems
Artificial Intelligence
Machine Learning

ONLINE
Machine-Learning - Coursera
CS231n - Convolutional Neural Networks for Visual Recognition.
CS224d - Deep Learning for Natural Language Processing

SKILLS

PROGRAMMING
Programming Languages:
Python • JavaScript • Java • C++
PHP
Web Technologies:
HTML • CSS • JavaScript • django

EXTRA CURRICULAR

INTERESTS:
Cycling, Photography, Hiking, Table Tennis.

POSITIONS:
Joint Secretary Photography Section, IIT Roorkee (2015-2016)
Member of Editorial board of a literary magazine Kshitij, IIT Roorkee (2013-2014)
Mentor in Student Mentorship Program, IIT Roorkee (2016 - Present)

EXPERIENCE

MICROSOFT | Software Engineering Intern
May 2016 – July 2016 | Hyderabad, India
- Worked with the Bing STCI Team and wrote a pipeline to extract Event related data from the distributed cloud database of Microsoft - COSMOS. Worked with SCOPE script for building the extraction pipeline and wrote processors and reducers in C# to analyse it.

BLUE WATER TRADE WINDS | Software Engineering Intern
May 2015 – July 2015 | Dehradun, India
- Worked on full stack development of a django application for weather route optimization and monitoring of ships
- Tasks involved - modelling the ship responses to weather using data from Voyage abstracts, designing a dynamic programming algorithm for weather route optimization with speed scheduling on a bounded grid in the ocean, and integration of the modules with the django application.

DEEP LEARNING PROJECTS

BYTENET | November 2016 – Present
https://www.github.com/paarthneekhara/byteNet-tensorflow
Implemented the bytenet model of dilated convolutions for sequence to sequence translation from the paper "Neural Machine Translation in Linear Time" (https://arxiv.org/abs/1610.10099).

TEXT TO IMAGE SYNTHESIS | August 2016
https://www.github.com/paarthneekhara/text-to-image
Developed a tensorflow implementation of synthesizing images from text by conditioning a generative adversarial network with skip thought vectors. Used the GAN-CLS algorithm from the paper "Generative Adversarial Text-to-Image Synthesis" (http://arxiv.org/abs/1605.05396) and conditioned it with uni-skip vectors.

VISUAL QUESTION ANSWERING - TENSORFLOW | August 2016
https://www.github.com/paarthneekhara/neural-vqa-tensorflow
Implemented the VIS+LSTM model from the paper "Exploring Models and Data for Image Question Answering" (http://arxiv.org/abs/1505.02074) in tensorflow, to improve my understanding about linking language and vision and also get acquainted with a deep learning library.

CURRENTLY DEVELOPING

RTIFEED | August 2015 - Present
http://www.rtifeed.com
RTIFeed is a social platform to share authentic information amongst masses. Worked on the django based back-end of RTIFeed which powers both the web-based and mobile-based applications. RTIFeed stood runners up in Microsoft Code Fun Do Finalist Forum, held on a National Level in India.

AWARDS

2016	National Runners Up	Microsoft Code Fun Do Hackathon, Finalist Forum
2015	College Runners Up	Microsoft Code Fun Do, IIT Roorkee
2012	Gold Medalist	DPS RK Puram, Academic Excellence in class 11th