

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](https://github.com/paarthneekhara)

LinkedIn:// [paarth-neekhara-4161a787](https://www.linkedin.com/in/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.

WEB DEVELOPMENT

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

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|------|---------------------|---|
| 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 |