Vighnesh Birodkar

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Education

MS in Computer Science – GPA: 3.93/4   *2015 - 2017*
New York University - Courant Institute, New York, USA

B.Tech Computer Science & Engineering – GPA: 8.05/10   *2010 - 2014*
National Instiutute of Technology , Goa, India

Work Experience

Research Scientist, *FeatureX, Inc.*   *June 2017- Present*
- Use deep neural networks to discover trends in global economic activity.

Research Assistant, *Prof. Davi Geiger*   *September 2016 - December 2016*
- Action recognition in videos using Deep Neural Networks.
- Study the effects of imposing linear constraints on latent vectors through time.

Junior Data Scientist, *NYU Centre for Data Science*   *September 2015 - May 2016*
- Implemented machine learning algorithms for scikit-learn.
- Created the project template for scikit-learn-contrib.

Software Development Engineer, *Samsung Research India*   *June 2014 - June 2015*
- Embedded application development in Printers Division.
- Revamped the Firmware Update process.

Internships

Deep Learning Intern, *Butterfly Network Inc.*   *January 2017 - May 2017*
- Develop deep learning algorithms for ultrasound images.

Summer Intern, *DeepMagic Inc.*   *June 2016 - August 2016*
- Collected and augmented images.
- Designed and deployed deep networks for image recognition.

Google Summer of Code Student, *Python Software Foundation*   *June 2014 - September 2014*
- Designed Region Adjacency Graph Data structures from scikit-image.
- Implemented Region Adjacency Graph based segmentation algorithms.

Google Summer of Code Student, *SimpleCV*   *June 2013 - September 2013*
- Designed a Display System for local applications in Python.
- Designed a Display System for remote applications using Python, HTML and Javascript.

Summer Intern, *IIT Bombay*   *May 2013 - June 2013*
- Designed a Visual Programming Environment for Arduino Boards
- Ported the Visual Programming Environment for Windows, Linux and Android