Vaibhav **Yenamandra**

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Education

University of Florida *Gainesville, Florida, U.S.A.*

M.S. Computer Science *Aug 2016 - Dec 2017(Est)*

- *Coursework*: Programming Languages, Analysis of Algorithms, Pattern Recognition, Machine Learning, Data Mining

Birla Instiute of Technology and Science, Pilani *Pilani, Rajasthan, India*

B.E.(Hons) Electrical and Electronics Engineering *Mar. 2010 - PRESENT*

- *Coursework*: Analog and Digital VLSI Design, Microelectronic Circuits, Communication Systems

Experience

Capgemini India Pvt. Ltd. *Mumbai, Maharashtra, India*

Analyst *Aug. 2014 - Jul. 2016*

- Acted as liaison between business, development and QA stakeholders to ensure deliverables were met
- Acted as primary point of contact for a part of the project's software stack
- Automated 6 of 8 offshore reports leading to total time savings upwards of 3 hours daily

Projects

Automatic Terrain Identification *Summer Research Project*

CUDA, Computer Vision, Image Processing *May 2017 - Present*

This project performs automatic labeling of high-resolution satellite terrain imagery to identify segments such as forest, slums, urban areas, distributed using MPI. I was responsible for updating contour detection within each node to run on the GPU using CUDA.

Speech to Text *Coursework*

Machine Learning *Jan 2017 - Apr 2017*

Created a speech recognition app written in Python3. Came up with a novel voice activity detector that was used to identify speech activity in the input signal with low background noise.

Object Detection in Images *Coursework*

Pattern Recgonition *Jan 2017 - Apr 2017*

Implemented, trained various deep neural network using tensorflow for detecting objects in images. The networks were trained on various hyper-parameter choices to later make a formal recommendation on choosing parameters

An image processing language *Coursework*

Compiler Construction *Jan 2017 - Apr 2017*

Implemented a simple programming language with image processing primitives.such as convolutions and blurs. The Java Virtual Machine was taken as the target for code generation.

Statistical *Personal Project*

Statistics, Open Source *Jun 2016 - Present*

Implemented a simple programming language with image processing primitives.such as convolutions and blurs. The Java Virtual Machine was taken as the target for code generation.

Technical Skills

Programming Languages Python, C++, Java, C, Ruby

Positions of Responsibility

2017 **Project Leader**, Course Planner, UF Open Source Club *University of Florida*