

VAIBHAV YENAMANDRA

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EDUCATION

M.S. Computer Science, University of Florida (CGPA: 3.38/4)

Aug 2016 — Dec 2017 (Est.)

Coursework: *Programming Language Principles, Analysis of Algorithms, Pattern Recognition, Machine Learning*

B.E.(Hons) Electrical and Electronics Engineering, BITS-Pilani (CGPA: 6.68/10)

Aug 2010 — May 2014

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

WORK EXPERIENCE

Analyst, Capgemini India Pvt. Ltd., Mumbai

Aug 2014 — Jul 2016

- Acted as liaison between business, development and QA stakeholders to ensure deliverables were met
- Automated 6 of 8 offshore reports resulting in total daily time savings upwards of 3 hours

PROJECTS

CUDA, Computer Vision: **Hierarchical Contour Detection in Images**

May 2017 — Present

Worked on porting an OpenMPI application to be able to leverage CUDA. The algorithm segments images into various homogenous regions of interest based on local and global metrics of similarity.

Machine Learning: **Speech To Text**

Jan 2017 — Apr 2017

Speech recognition application written in Python3 as a part of coursework for my machine learning class. Created a novel voice activity detector that was used to identify speech activity in the input signal with low background noise.

Pattern Recognition: **Object Detection in Images**

Jan 2017 — Apr 2017

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

Compiler Construction: **An image processing language**

Jan 2017 — Apr 2017

Implemented a toy language for image processing in *Java*. The project involved implementing image processing primitives such as convolutions and blurs using the Java language's standard library and *Java Virtual Machine* as the target for code generation.

Statistics, Open-Source: **'statistical'**

Jun 2016 — Present

A *ruby* library to provide a simple accurate and fast interface for statistical primitives that are not available in *ruby* by default. It is currently under development.

Programming Languages: (Advanced) C, Ruby, Python; (Intermediate) Java, C++

POSITIONS OF RESPONSIBILITY

Project Leader, Course Scheduler, UF Open Source Club

Feb 2017 — Present

- Acted as primary point of contact for any information related to the project by taking ownership of it
- Prepared development plans and milestones to serve as checkpoints for building application
- Guide newcomers to the club and help them to get up to speed on contribution and application structures

EXTRACURRICULAR

Active member of, contributor at UF Open Source Club

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