SWATHI HOYSALA

(858)-729-4156 ⋄ swathi.vhoysala@gmail.com
LinkedIn|swathi-hoysala Github|swathiHv Bitbucket|swathiHv

EDUCATION

University of California San Diego *Expected June 2018*
M.S in Computer Science Overall GPA: 3.22/4
Graduate Student Researcher

PES Institute of Technology Graduated June 2016
B.E in Information Science *Overall GPA: 9.18/10*

EXPERIENCE

Veritas Technologies Intern | July 2017 - Sept 2017

- Developed a Machine-Learning-as-a-Service platform using Deep Learning and Statistical learning algorithms to predict storage usage, storage cost and anomalies in storage access across multiple cloud platforms like Amazon S3, Google Cloud Store, Azure, etc.
- Implemented a new I/O model in Veritas's Hyperscale product which increased the IOPS by a considerable amount.
- Technologies used: Python, Tensorflow, Spark, C

Apiria Technologies Intern | July 2016 - August 2016

- Developed a natural language understanding scheduler bot for Slack
- The bot automatically creates calendar events for meetings and booked conference rooms and made hotel and taxi reservations
- Technologies used: Python, Golang, Google/Outlook calendar APIs, Slack bot framework

Apigee Technologies (Now Part of Google) Intern | Jan 2016 - June 2016

- Developed a RESTful Golang API to provision various distributed application components on AWS. Tested and pushed the system to production
- Developed a Golang audit tool that looks for unused resources like EBS volumes, EC2 instances, etc., on AWS and reports them
- Designed and built an anomaly detection algorithm to identify bot patterns
- Technologies used: Golang, Spark, AWS, Postgres, Ansible, Python, Robot testing framework

TECHNICAL STRENGTHS

Programming Languages	C, Go, Python, Java, Javascript
Databases	MySQL, Postgres, Cassandra
Software & Tools	Spark, Ansible, Jenkins, Consul, Serf, Git, Robot Framework, AWS

PROJECTS

Distributed Tile Caching for OpenStreetMaps

- Designed a self load balancing architecture for distributed tile caching which reduces re-rendering of the same tile
- Distributed the data across multiple machines and redirected requests to specific machines and cached the data across multiple machines

Energy Efficient Datacenter Management under Availability Constraints

- Algorithm to allocate applications to VMs in energy efficient manner while keeping availability in mind was devised
- Reduction in cost of energy when compared to random allocation 35%-45% and 1/12th of random with consolidation was achieved

Conference Publication - Systems Conference (SysCon), 2015 9th Annual IEEE International

COURSEWORK

Distributed Systems, Operating Systems, Introduction to AI, Web Recommender Systems, Statistical NLP

AWARDS

2016 Recipient of the "M. R. Doreswamy scholarship for Academic Excellence"
2015 One in Top 10 in Incito Idea Hackathon
2014 Third in Incito Idea Hackathon