

Employment

Software Engineering Intern

Zemoso Labs

Jan 2015 – Mar 2016

- Developed an Image clustering engine which categorizes given candidate images into various mentioned categories.
- Combined OpenCL with image processing algorithms and reduced the runtime by 65%.

Summer Intern

DRDL Hyderabad

May 2015 – June 2015

- Built a mini Django content management system which is used for storing various research papers category wise.
- Reduced complex query response times from ~40s to 4s (10x) on internal Django-based task scheduling system.

Technical Experience

Selected Projects

- **Openflock** : A product where people can promote their open source projects to gain contributors. Currently serving more than 300 users. Trended on GitHub. Python, Webapp2/Django.
- **OpenTalk** : A Disqus like but light weight commenting system which would support both static and dynamic websites via a configurable JS client. (Currently building)
- **Peer Torrenter** : A peer to peer application based on Bit Torrent protocol. Implemented Asynchronous Event driven approach to avoid multi thread complexity. Python, NodeJS.
- **PyCluster** : PyCluster is a mini image comparison and clustering library. Implemented using Konhonen Maps and K-nearest-neighbours algorithms.
- **Shorten-it** : A high-performance, anonymous URL shortener built using Redis + Node.js with a API-backed design.
- **Ping** : Ping is a audio,video,screen and file sharing service which uses WebRTC. (Currently building)

Opensource contributions

- **Mozilla/Zamboni** : Resolved a bug and removed unwanted code from the project. Working on couple of other bugs.
- **Openhatch/Oh-mainline** : Resolved bugs related to Cookies and Sessions. Currently working on Bug Tracker feature.

Achievements

- Qualified in ICPC Online and participated in ACM-ICPC 2014 and 2015 regionals Asia Amritapuri site.
- Qualified for second round of Code Jam 2015.
- Won hackathon conducted by My Smart Price. Built geolocation based shopping app.

Education

Hyderabad, India

University of Osmania

Aug 2012 – Aug 2016 (Expected)

- Bachelor of Engineering, Computer Science and Engineering.
- **Course Work** : Data Structures and Algorithms, Web Programming, Unix Programming, Computer Networks, Databases, Operating Systems , Distributed Computing, Information Security, Human Computer Interaction, Software Engineering.

Languages and Technologies

Languages & Markups: Python, JavaScript, C/C++, Java , SQL, HTML5/CSS

Libraries & Frameworks: Django, Webapp2, WebRTC, NodeJS, WebSockets, JQuery

Tools & Practices: Git, Mercurial, Appengine, AWS, Heroku, Redis.