Alok Shankar Mysore

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OBJECTIVE

To pursue a career that allows for the best expression of my passion for Computer Science.

EDUCATION

B.E - Computer Science and Engineering　　　　　　　August 2012 - May 2016
PES Institute of Technology, Bangalore, India

TECHNOLOGY SKILLS

Programming Languages: Python, Java, JavaScript, C, Ruby, C#.
Cloud Computing: OpenStack, CloudFoundry.
Parallel Computing: Nvidia CUDA.
Frameworks: AngularJS, JQuery, Bootstrap, Ruby on Rails, Python Flask, Android.
Databases: PostgreSQL, MySQL, MongoDB, Heroku.
Hardware: Raspberry Pi.

EXPERIENCE

Software Development Engineer Intern　　　　　　　May 2015 -August 2015
Bing Team, Microsoft R&D, Hyderabad

- Built a Big Data pipeline that utilized open data sources - Wikipedia, Wikidata, Dbpedia to enhance the triggering of the Bing Infopane.
- Enhanced the triggering of the Bing Infopane for around 300,000 entities.

Co-founder and Head of Software Systems　　　　　　　May 2014 - Present
Farmalytics, Bangalore

- Provide Affordable and Accessible Precision Farming for Farmers using state of the art sensor technology with robust analytics to enable them to make data driven decisions.
- Selected to the prestigious Nasscom 10k Startups accelerator and incubator program.

RESEARCH PROJECTS

Studying the Wisdom Of Crowds at Scale

- Worked with Prof. Sharad Goel from Stanford University to study the Wisdom of Crowds Phenomenon.
- Built the Web Experiment and Analysis of the experiment results.
- Published work at the 28th ACM User Interface Software and Technology Symposium 2015 at Charlotte, USA.

Machine Learning Approach to Auto Scaling CloudFoundry

- Application of Artificial Neural Network to preempt server load and scale up or scale down CloudFoundry Application based on Historical data in order to minimize bad QoS.

Parallelizing DTW algorithm for Time Series subsequence search on Nvidia GPU
- Implemented and Optimized University of California, Riverside's Flavor of the Dynamic Time Warping algorithm for Time Series Sub-sequence search on Nvidia CUDA.
- Achieved 12x performance increase versus the original algorithm on a mid range Nvidia GPU.
- Paper under review at IEEE Confluence-2016, 6th International Conference on Cloud System & Big Data Engineering.

AWARDS
- 1st place winner at Google Indic Language Android Hackathon 2014, Bangalore.
- 1st place winner at Microsoft Ventures Hackathon 2014, Bangalore.
- 1st place Winner at 'Ayana' 2014, All-India Hackathon, Bangalore.
- 2nd place winner at Google Bizdroid Hackathon 2014, Bangalore.
- 2nd runners up at AngelHack Mumbai 2014.
- 3rd place winner at 'Huawei Mojo jojo' Hackathon 2014, Bangalore.
- Prathiba Puraskara - Perfect Computer Science score in ICSE 10th grade exam.

COMMUNITY SERVICE

Children's Lovecastles Trust(CLT)   February 2014 - Present
Volunteer Software Developer
- Designed and developed a licensing and content distribution system on Android for the educational material produced by CLT in order to ease content distribution and prevent plagiarism.
- The Project was chosen as recipient of South Asia Education Summit Award 2014 in the "Mobile Initiatives in School" Category.

Paadhai - Wayanad Project   February 2015
Volunteer - Teacher's Training Program
- Architected Open Coursework Curriculum for Tribal school Children in the remote Wayanad Region in the state of Kerala in India.
- Trained the teachers at the school to utilize the curriculum to better teach the children.

EXTRA-CURRICULAR ACTIVITIES

PES Entrepreneurship Cell   May 2014 - Present
Founding Member and Head of the PR Team

PES IET Students Club   August 2015 - Present
Technical Secretary

Flutist, *Carnatic Style of Music*

REFERENCES

Dr. Sharad Goel   scgoel@stanford.edu
Assistant Professor, Stanford University,
Management Science & Engineering Department

Bhagya Rangachar   bhagya@cltindia.org
Founder and CEO at CLT India