Alok Shankar Mysore

A-911, Komarla Brigade Residency, Uttarahalli Main Road, Bangalore - 560061
alok.shankar.m@gmail.com
+91 879 270 4610

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, 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.
- Submitted work at CONFLUENCE-2016, 6th International Conference on Cloud System & Big Data Engineering.

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.

AWARDS

- 1st place winner at Google Indic Language Android Hackathon 2014, Bangalore.
- 1st place winner at Microsoft Ventures Hackathon 2014, Bangalore.
- 2nd place winner at Google Bizdroid Hackathon 2014, Bangalore.
- 1st place Winner at 'Ayana' 2014, All-India Hackathon, Bangalore.
- 3rd place winner at ' Huawei Mojo jojo' Hackathon 2014, Bangalore.
- 2nd runners up at AngelHack Mumbai 2014.
- 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 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

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

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