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
Recipient of the "M. R. Doreswamy scholarship for academic excellence"

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   January 2016 - Present
Office365 team, Microsoft R&D, Bangalore
- Working on Outlook extensibility on the Office365 team.

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.
- Only student run startup to receive the Impact award in the Agriculture Sector of Facebooks Internet.org Innovation Challenge
- Website: farmalytics.com

Software Development Engineer Intern   May 2015 -August 2015
Bing Team, Microsoft R&D, Hyderabad
- Built a Big Data pipeline that utilized open data sources to enhance the triggering of the Bing Search Engine Results Pane *SERP*.
- Enhanced the triggering of the SERP for around 300,000 entities.

RESEARCH PROJECTS

Studying the Wisdom Of Crowds at Scale
- Worked with a team of researchers from Stanford University led by Dr. Sharad Goel from to study the Wisdom of Crowds Phenomenon.
- Website: wisdomofcrowds.stanford.edu
- Developed an online experiment on Amazon Mechanical Turk to collect and analyze data
- Published, ACM UIST 2015 at Charlotte, USA.

Machine Learning Approach to Auto Scaling CloudFoundry
- Application of Artificial Neural Network to pre-empt 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 the Dynamic Time Warping algorithm for Time Series Sub-sequence search on NVidia CUDA GPU.
- Achieved 590% 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
- Built the content distribution and licensing platform for Childrens Lovecastles trust, an NGO that creates learning material for underprivileged children in schools across the state of Karnataka.
- Awarded the Best Mobile Initiatives in Schools award in the South Asia Education Summit 2014 and has touched the lives of about 85,000 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