

# 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** *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, 6<sup>th</sup> International Conference on Cloud System & Big Data Engineering.

**AWARDS**

- 1<sup>st</sup> place winner at Google Indic Language Android Hackathon 2014, Bangalore.
- 1<sup>st</sup> place winner at Microsoft Ventures Hackathon 2014, Bangalore.
- 1<sup>st</sup> place Winner at ‘Ayana’ 2014, All-India Hackathon, Bangalore.
- 2<sup>nd</sup> place winner at Google Bizdroid Hackathon 2014, Bangalore.
- 2<sup>nd</sup> runners up at AngelHack Mumbai 2014.
- 3<sup>rd</sup> 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)  
*Volunteer Software Developer*

February 2014 - Present

- 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  
*Founding Member and Head of the PR Team*

May 2014 - Present

PES IET Students Club  
*Technical Secretary*

August 2015 - Present