Ahmed Shabib Bolwar

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PERSONAL STATEMENT

I am creative and passionate engineer looking forward to improve the lives of people by innovating software.

EXPERIENCE

Cisco
Jun 2013 – Sep 2013
Working with Cisco Wireless LAN Controller,IOS XE, openCAPWAP.

Google Summer of Code -2013 (Oregon State University Open Source Labs) - Intern
Jun 2013 – Sep 2013
Built a Vagrant Plugin, which allows Vagrant to control and provision Virtual Machines in Ganeti.

Gotopal Inc. - Intern
25 Dec 2012 – 31 Jan 2013
Actively involved in designing Intelligent Conversational Engine, which responds to Natural Language queries and commands.

EDUCATION

PES Institute of Technology
Pursuing BE in Computer Science Engineering
August 2010 – August 2014
GPA of **8.71 on 10.0** scale

St Philomena Pre-University(10+2)
June 2008 – March 2010
Percentage of **87.5**

ACHIEVEMENTS

- **Deloitte Collegiate Cyber Threat Competition Wave II**, one of the top 5 Finalists in India.
  8 March 2013 – 16 April 2013
- 2nd Runner up in **Twit Miner-Machine Learning Competition** hosted by **IISc**-**Bangalore**
  1 March 2013 – 15 March 2013
- **Winner of State finals of Rural IT Quiz 2009** organized by TATA Consultancy service and Dept. of IT, BT, Science and Technology Govt. of Karnataka. And also runner-up in Regional level in 2007 and 2008.
  12 November 2009
- State level qualifier in **impressIT** "state level Proof of Concept IT Solution", conducted by Government of Karnataka in association with SAP Labs India.
  August 2012 – October 2012
- National Cadet Corp Sergeant 2009-2010. **NCC 'B' certificate** holder, attended several combined annual training camps across India.
  2009 – 2010
- Organized a city wide event **Dreamspark Yatra-2012**
  8 April 2012
- Completed "I UNLOCK JOY" competition, hosted by Microsoft.
  April 2012

PROJECTS

FAST SUBSEQUENCE SEARCH OF TIME SERIES USING GPU AND APACHE SPARK
Fast implementation of subsequence search of time series data points with Dynamic Time Warping using various lower bounding and early abandoning strategies in GPU. Distributed implementation of the same using Apache Spark.

VAGRANT PLUGIN FOR GANETI
Vagrant is a tool for building and distributing development environments. Ganeti is a cluster management software. Main purpose of this project is to allow vagrant to control and provision machines in the Ganeti cluster.
https://github.com/osuosl/vagrant-plugin-ganeti

I-CONTROL
"Hacking Health" track at the MIT Media Labs Design Innovation Workshop. Prototyped device to detect the human eye and track pupil movements to aid handicapped patients control and operate wheelchairs.

PROJECT MINDBOARD
A Proof of concept Collaborative tool where people can communicate, draw mind-maps and shows presentation simultaneously using a modern Web Browser.
http://brainstorm-v2.appspot.com/

TWIT MINER
A Semi supervised learning algorithm implementation of naive bayes for classification of tweets into Political/Sports.
https://github.com/ahmedshabib/twit-miner

OPENSTACK EXTENSION TO HYBRID CLOUD
To distribute and scale workloads effectively across Private and Public Clouds.
http://goo.gl/7lHi1o

STATIC ANALYZER FOR C/C++ PROGRAMS
A static analyzer, which detects and notifies programmer about section of code where possibility of error exists.

<Small Projects are not included here>

PUBLICATIONS
Ahmed Shabib Bolwar, Rajesh Kumar, Nitin V Pujari. 2013. Security threat analysis and remedial strategies model for smart grid management systems. *ICACSIT-International Conference on Advanced Computer Science and Information Technology (IRAJ ICACSIT 2013)*, 25 June 2013, 9.

SKILLS
Programming
　　　C, C+, Python, JavaScript (Proficient)
　　　C#,Java, Ruby, ARM Assembly, Octave, Scala(Competent).
Database
　　　MySQL, mongoDB
Developer IDE's
　　　Xilinx, Eclipse IDE, Net Beans IDE, Code Blocks, Visual Studio 2010.
Other
　　　Amazon AWS, Google App Engine, OpenStack, Ganeti, Vagrant
　　　Android, Blackberry, Windows Phone 7/8, Windows 8.
Courses Completed Online
　　　"Internet History Technology and Security " in Coursera.org.

ABOUT ME
My area of interest primarily relates to Machine Learning, Computer Vision and Data Mining.
I am a chess player, quizzer, blogger and avid reader of tech websites and magazines. I also love attending tech events, hackathons and seminars. I am small time hardware hacker too.