SRI HARSHA PAMU

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EDUCATION

Jan 2015 - Present	**Purdue University, IN**	*GPA 3.75/4.0*

Masters of Science in Computer & Information Technology.
Related Coursework: Data Mining; Application Integration; DB Management & Security.

Sept 2009 - Jun 2013	**Jawaharlal Nehru Technological University, Hyderabad, India**	*GPA 3.9/4.0*

Bachelor of Technology in Electronics & Instrumentation Engineering.
Related Coursework: C Programming; Data Structures; Discrete Mathematics.

EXPERIENCE

March 2015 - Present

Purdue University, IN
Research Assistant
- Working on the machine learning and natural language processing techniques for mining twitter data for potential drug effects.

Feb 2015 - Present

Purdue University, IN
Teaching Assistant
- Assisting students in their lab assignments for Computer Graphics Programming I course.

May 2013 - Aug 2013

Google Summer of Code/National Resource for Network Biology, Mountain View, CA (Remote)
Software Development Engineering Intern
- Developed a plugin for PathVisio called PathSBML, which converts SBML (Systems Biology Markup Language) to GPML (GenMAPP Pathway Markup Language) and vice versa. Used Java Swing Framework and XML.
- Implemented integration with BioModels database which enables to import the models directly into the PathVisio.
- Enabled the visualization of SBML models using the force-directed algorithms from the JUNG - Java Universal Network/Graph Framework.

May 2012 - Aug 2012

Google Summer of Code/OpenMRS, Mountain View, CA (Remote)
Software Development Engineering Intern
- Designed and developed a web application to store metadata from various OpenMRS servers. Used Java Spring Framework, HTML, JavaScript, Hibernate, JUnit, Jetty and MySQL.
- Implemented Apache Lucene Core engine for efficient and faster search of metadata packages.
- Completed deliverables on time with documentation, unit tests and video tutorial demos.

PROJECTS

Fall 2014

Product classification bot
- Programmed a learning bot that chooses good products from a junk market (dataset) based on their features like cost and probability using various classifiers from scikit-learn machine learning library.

Jan 2012

WebView Enhancement, K9-Mail Android Application
- Added long press menu events in the WebView to enable saving of images, contacts and links in email messages to SD/Memory card. *This enhancement has also been adopted and used by the "Kaiten Mail Android App" in version 1.229.*

Dec 2010	**Online Job Portal** • Developed an interactive web application for online job search. Used Java, HTML, AJAX, JavaScript, CSS, IBM DB2 and WebSphere. *This project has been selected for the finals of "The IBM Great Mind Challenge 2010".[1296 teams participated]*

SKILLS

Language Skills	• Fluent in English, Hindi and Telugu.
Mathematical Skills	• Linear Algebra • Probability and Statistics
Technical Skills	• **Programming:** C, Java, Python, SQL, C++, C#. • **Web Standards and Technologies:** HTML5, JavaScript, jQuery, CSS3, AJAX, XML. • **Web Stacks:** Apache, MySQL, PHP. • **Operating Systems:** Unix, Linux, Windows. • **Mobile Technologies:** Android (Intermediate), iOS (novice). • **Tools:** Visual Studio, Xcode, Android Studio, Eclipse, MS Office, Coda.
Organizational Skills	• Involved in the organizing committee of foss.in 2012, Bengaluru, India. • Coordinated talks and tutorials as a session-chair at PyCon 2013, Santa Clara, CA. • Lead member, volunteer and speaker at Mozilla Users Group, Hyderabad, India.

AWARDS & HONORS

- Received full scholarship to attend OpenMRS Implementers Meeting 2012, foss.in 2012, PyCon 2013 and PyCon 2014.
- I was among the 1000 students in the world to get selected and complete the Google Summer of Code program in 2012 and 2013.
- Placed 1st in a National paper presentation competition conducted by IIITH 2012. *[Around 540 teams participated]*
- Tuition fee waived in senior year for co-curricular and academic excellence.

PUBLICATIONS

- SBML Importer Plugin for PathVisio, Anwesha Bohler, Sri Harsha Pamu, Martijn van Iersel, Alexander R. Pico and Chris T. Evelo. Computational Modeling in Biology Network, Paris, France, September 2013.
- Visualizing multi-omics data on models, Anwesha Bohler, Sri Harsha Pamu, Martijn van Iersel, Alexander R. Pico and Chris T. Evelo. Netherlands Platform for Systems Biology Symposium, Zeewig, The Netherlands, November 2013.
- Visualizing Modeled Fluxes with Measured Genomic Data on Models, Anwesha Bohler, Sri Harsha Pamu, Martijn van Iersel, Alexander R. Pico and Chris T. Evelo. Netherlands Bioinformatics Conference, Lunteren, The Netherlands, April 2014.