

## SRI HARSHA PAMU

2440 173rd STREET, HAMMOND, IN - 46323

PHONE (903) 413-5251 • E-MAIL spamu@purdue.edu • GITHUB <https://github.com/applecool>

### EDUCATION

- Jan 2015 - Present **Purdue University, IN** **GPA 3.88/4.0**  
Masters of Science in Computer & Information Technology.  
*Related Coursework:* Data Mining; Autonomous Mobile Robots (current).
- 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

- Aug 2015 - Present **Purdue University, IN**  
*Teaching Assistant*
  - Assisting students with their homework assignments for Distributed and Parallel Computing, and Data Communications & Networking courses.
- Jun 2015 - Aug 2015 **Covance Inc., Indianapolis, IN**  
*Software Development Engineering Intern*
  - Redesigned and developed their core product tool called as Kit Type Definition Portal.
  - Made the tool perform 90% faster than the existing application using efficient code techniques and design patterns.
  - Used HTML5, CSS3, ASP .NET MVC5, Bootstrap, JavaScript, Moment, jQuery Frameworks and MUMPS.
- Feb 2015 - Jun 2015 **Purdue University, IN**  
*Research Assistant*
  - Developed an Android application called as PowerStatus to log the battery power charging level. Implemented the Broadcast Receiver sticky intent to update the battery level and its health. The data collected from various users would be used to analyze the user's battery consumption behavioral patterns.
- Feb 2015 - May 2015 **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

Spring 2015

### **Purdue PUC Online Class Scheduler**

- Redesigned the online class scheduler application. The deliverable was a desktop application with easy to use functional features like able to search across terms/years, search for a particular class/lab room, able to display the search results in weekly format.

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.*

## SKILLS

Mathematical Skills

- Linear Algebra • Probability and Statistics

Technical Skills

- **Programming:** C, Java, Python, SQL, C#.
- **Data Analysis Tools and Packages:** Weka, R-Studio, scikit-learn, NLTK.
- **Web Standards and Technologies:** HTML5, JavaScript, jQuery, CSS3, AJAX, XML.
- **Web Stacks:** Apache, MySQL, PHP, ASP .NET.
- **Operating Systems:** Unix, Linux, Windows.
- **Mobile Technologies:** Android (Intermediate), iOS (novice).
- **Tools:** Visual Studio, Xcode, Android Studio, Eclipse, MS Office, Atom.

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

- Diversity scholarship recipient to attend PyData 2015, Seattle from NUMFocus and CodeConf 2015, Nashville from GitHub.
- Received full scholarship to attend OpenMRS Implementers Meeting 2012 from Google, foss.in 2012 from FOSS India, PyCon 2013, PyCon 2014, and PyCon 2015 from Python Software Foundation.
- 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 1<sup>st</sup> 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.