Shrihari Murlidharan
hari.was.here@gmail.com
678-467-2048

EDUCATION	**Georgia Institute of Technology** , Atlanta, USA *Computer Science, Master of Science (CGPA: 4.0 /4.0)*	*Aug 2012 – Present*
	PSG College of Technology, Coimbatore, India *Computer Science, Bachelor of Engineering (CGPA: 9.28 /10.0)*	*Aug 2006 – May 2010*
WORK EXPERIENCE	**Thoughtworks Inc.**, Bangalore, India *Software Development Engineer*	*Jun 2010 – Jun 2012*
INTERNSHIPS	**ThoughtWorks Inc.,** Bangalore, India	*Jan 2010 – Jun 2010*
	Kalycito Infotech, Coimbatore, India	*Apr 2008 – May 2008*

COMPUTER PROFICIENCY

Languages	Java, Ruby, C, C++, Python, HTML, JS
Frameworks/Tools	Spring, Struts 2, Ruby on Rails, Ext-JS, CSS, MySQL, Git, SVN, Apache, Maven, OpenCV, CUDA, Cilk, Open MPI
Platforms	Windows 9x/XP, Vista, Linux(Ubuntu and Fedora), Mac OSX(10.5, 10.6), Citrix Xen Server

PROJECTS

Parallelization of image compression by 2D motif basis *Georgia Tech*

2D motif basis is a 2 dimensional extension of the popular LZ compression algorithm. This image compression algorithm was parallelized using the Intel Cilk and Nvidia CUDA frameworks.

SKETCH-HI-5 *Georgia Tech*

Sketch-hi-5 is an application that helps the user to sketch his thoughts. This tool, built on Python WX and Open CV, uses simple image search and edge detection techniques to help the user in sketching

Sales Quotation Engine for British Telecom *ThoughtWorks*

This project involved the development of a web application which generates quotes for various services and components, provided by British Telecom (BT) and converts them into orders if approved.

Cloud Services Management for Rackspace *ThoughtWorks*

This project constituted the development and maintenance of a web portal through which Rackspace's customers can manage their cloud servers.

PROJECTS Continued..	**Redundancy Management in Ethernet POWERLINK** *PSG Tech*

Redundancy Management in Ethernet POWERLINK   *PSG Tech*

Ethernet PowerLink (EPL) is a deterministic real-time protocol for standard Ethernet. The protocol ensures hard real time communication between nodes participating in the network. To state concisely, the EPL protocol works using two kinds of modules, the Managing Node (MN) and the Control Node (CN). If one Managing node fails, another redundant managing node should activate without the loss of any data and with as minimal jitter as possible.

S.P.I.C.E (Smart Platform Independent Chat Engine)   *PSG Tech*

This is a chat engine built using Java Swing, threads and Socket programming and incorporates built in webcam support with face detection.

Inventory control for a retail shop using PHP and MySQL server   *PSG Tech*

Using PHP and MySQl, an inventory control system was modeled which monitors all purchases of stock, customer transactions and maintains a database of employees working in the retail.

ACHIEVEMENTS & ACTIVITIES

- Active quizzer, participated and won numerous of inter and intra collegiate quizzes. Touchstone achievements were winning the CTS campus quizzing event and entering the finals of Brahma '08 and Quiztrac '09, two renowned open quizzes.
- Was a part of the core organizing team of the first and the second Ruby Conference, India.
- Member and actively involved in the college quiz club
- Co-ordinated the Kriya Open Quiz '09 and Kruzade Marketing Challenge '09.
- Was placed second in school in the State level XII board exams.