

CONTACT INFORMATION	Department of Computer Science and Engineering University of Florida 451 Harris Lab Gainesville, FL 32611 USA	Mobile: +1-352-575-0144 E-mail: prv@cise.ufl.edu
EDUCATION	University of Florida , Gainesville, FL USA May 2012 M.S., Computer Engineering GPA: 3.62 (4.0 scale) <ul style="list-style-type: none">• Thesis Topic: News Gathering and Reporting using mobile devices• Adviser: Professor Abdelsalam Helal• Area of Study: Mobile computing and Social Networking Crescent Engineering College , Vandaloor, Chennai, India December 2010 B.Engg., Computer Science and Engineering First Class <ul style="list-style-type: none">• Project Topic: Reverse Image Search on iPhone• Adviser: Professor Angelina Gita	
PROFESSIONAL EXPERIENCE	Department of Education , University of Florida, Gainesville, FL USA iPad Software Developer for K-CRATI May 2011 – Present <ul style="list-style-type: none">• Adapting experiments designed to measure cognitive skills of kindergarten students Grooveshark , Gainesville, FL USA Software Development Intern - Data May 2011 – August 2011 <ul style="list-style-type: none">• Analysed metrics to characterize Apache Hadoop jobs• Extended Sqoop mySql export functionality to include Apache Hive partitions Microsoft , Chennai, India Microsoft Student Partner June 2008 – May 2010 <ul style="list-style-type: none">• Primary liaison between Microsoft and Crescent Engineering College, Chennai• Administered MSDNAA and Live@Edu	
PROJECT WORK	University of Florida , Gainesville, FL USA Large Scale Data Analysis <ul style="list-style-type: none">• SAMwise: Providing City Trotting Recommendations<ul style="list-style-type: none">• Compared different topic modeling toolkits, and feedback mechanisms. Implemented a web UI Mobile Networking <ul style="list-style-type: none">• PRIDE: PRivacy preserving Intelligent riDEsharing<ul style="list-style-type: none">• Analyzed wifi traces, and computed route similarity to find significant fuel savings while providing k-Anonymity for users Mobile Computing and Pervasive computing <ul style="list-style-type: none">• DroiDrive: Saving fuel with Android and Facebook<ul style="list-style-type: none">• Characterized driving style by evaluating sensor output, designed metrics and incorporated game mechanics for motivation	

- Optimization of Atlas Sensor Platform
 - Reduced Energy consumption by ~20 percent
 - Implemented sensor reading caching, dynamic push-pull conversion, lazy sensor initialization
 - Used ontology to eliminate certain actuator movement requests

Computer Networks

- Implemented a command line peer to peer file transfer program based on the bit torrent protocol

Distributed Operating systems

- Implemented applications that distribute computation to clients, CREW problem, Suzuki- Kasami broadcast algorithm using sockets and multi-threading

Crescent College, Vandaloor, Chennai India

Senior Project

- Reverse Image Search on iPhone
 - Developed a geolocation aware image crawler and search engine
 - Collaboratively used users' skill to recommend similar results

HARDWARE AND SOFTWARE SKILLS

Embedded and Real-time Systems:

- Software and hardware development with Atmel MCUs and Arduino

Computer Programming:

- C, C++, Objective C, UNIX shell scripting, MySQL, and others

Version Control and Software Configuration Management:

- DVCS (Git), and others

Information/Internet Technology:

- Networking, Services (Apache, SQL, MediaWiki, POP, IMAP, SMTP)

Mobile and Social Platforms:

- iPhone, Android, Facebook API, Twitter API, Neo4j

Data Platforms:

- Apache Hadoop, hive

Productivity Applications:

- \LaTeX (\LaTeX , \BibTeX , PSTricks), Vim, most common productivity packages (for Windows, OS X, and Linux platforms)

Operating Systems:

- Microsoft Windows family, Apple OS X, Linux and other UNIX variants

REFERENCES AVAILABLE TO CONTACT

Available upon request.