

## EDUCATION

<b>Carnegie Mellon University</b> , School of Computer Science, ISR Pittsburgh, PA Master of Science in Information Technology – eBusiness Technology	Aug 2013 - Aug 2014 GPA- <b>3.94/4.00</b>
<b>Anna University</b> , Chennai, India Bachelor of Technology in Information Technology	Aug 2006 - May 2010 Aggregate: 8.17/10.0

## TECHNICAL SKILLS

- Languages: Java, J2EE, C++ ,C#, Ruby
- Web Technologies: Servlets, Java Server Pages, PHP, Generic DAO,JSTL JavaScript, HTML,CSS, jQuery, Ajax, Apache Tomcat
- Database: MySQL, SQL Server
- Tools: Eclipse, Net Beans, MS Office

## PROFESSIONAL EXPERIENCE

**WABCO-Software Engineer** Jul 2010-Jul 2013

**PRP** (Project Reporting Portal)  
Role: **Web Application Developer**

- Designed and developed a web based system to monitor the project and hourly billing of employees across teams.
- Worked closely with several stakeholders to identify key system requirements and design constraints.
- Managers could generate custom reports based on their team data to keep track of various projects and their schedule.
- This portal is currently in use at WABCO-Chennai by 150 employees.

## CURRENT ACADEMIC PROJECTS

**Contextual Design & User Interface Design –HTML, CSS, Javascript, jQuery, AJAX**  
Role: **Heuristic Analysis & UI Design** (Team Size: 5)

- Performed an exhaustive contextual inquiry and user study to aid effective designing of a Web UI for an online pharmacy web site.
- Designed and conducted several usability tests to better understand user behavior across multiple age groups.
- Performed heuristic analysis on several existing pharmacy sites for better design of intuitive user interfaces.
- Developed a web UI based on the analysis of studies conducted for a online pharmacy store, which was well received.

**Software Requirements Elicitation, Analysis & Design**  
Role: **Software Designer** (Team Size: 4)

- Performed a rigorous Requirements Elicitation and Analysis by interacting with a variety of stakeholders for an Ad display system in public areas.
- Modeled architectural as well as detailed design based on core Architectural drivers for the system replete with a wide array of UML diagrams addressing various stakeholder requirements.
- The design addressed business as well as technical constraints and a 3 tier web architecture to support the Ad display system.

**MVC Web Application Development –JSP, Servlets, MySql, Generic DAO,HTML, CSS, Javascript, jQuery, AJAX**  
Role: **Design & Development**(Team Size: 5)

- Designed a robust web based Mutual Fund system to allow customers and administrators to execute buy/sell transactions.
- The frontend involved a dynamic Stock Research analysis with a javascript charting functionality. MySql was the backend.
- The principles of MVC design pattern and Generic DAO as a ORM methodology was applied in the system development.
- The system was designed to handle high volume concurrent transactions as well as being secure from various Injection attacks.

**Wish Social Engine - JSP, Servlets, MySql, Generic DAO,HTML, CSS, Javascript, jQuery, AJAX**  
Role: **Developer**(Team Size:5)

- A RESTFUL web application was built to allow users connect with other users by making wishes and help them attain it in a crowd sourced way by funding or help them attain the wish.
- Twitter and Flickr REST API's were used to allow users login , tweet and search for images and a dashboard using Google Visualization was developed to display several charts based on categories.
- An innovative algorithm was designed to identify Trending topics and help users connect with other likeminded users.

## RECOGNITIONS

Was chosen as "Winner from Tamil Nadu" and one among top 20 teams from India for developing an "Online Crime Reporting system" in IBM TGMC-2008, a national level web application development competition.

- PREMSANKAR A