

An innovative, meticulous and reliable person with **2.4 years of professional experience**. Quick learner with a very steep learning curve with a scrupulous understanding of the following concepts of computer science:

- Data structures, Algorithms and Problem solving
- Object oriented analysis, design and programming
- Databases, Data warehousing concepts and ETL
- Web development and security

## EDUCATION

<b>Master of Computer Science</b> Arizona State University, Tempe, AZ, USA	GPA – 4.0/4.0	Expected Dec 2016
<b>Bachelor in Engineering in Computer Science and Engineering</b> Anna University, Chennai, Tamil Nadu, India	GPA 7.68/10	June 2012
<b>Bachelor of Arts in Music</b> Mother Teresa Women's University, Kodaikanal, Tamil Nadu, India	Percentage 70.49/100	Dec 2012

## PROFESSIONAL EXPERIENCE

<b>Programmer Analyst : Cognizant Technology Solutions India Pvt Ltd</b>	<b>Aug 2012 – Dec 2014</b>
<ul style="list-style-type: none"> <li>• <b>Foreclosure and Forklift</b> - Migration of data between data warehouses using Teradata, DB2, Unix and Tivoli Workload Scheduler.</li> <li>• <b>CODDS Semantic Re-write</b> – Movement of data from Integration layer to semantic layer of CODDS data mart using Informatica Power Center, Teradata, Control M Scheduler and Unix.</li> <li>• <b>COGDM Staging &amp; Semantic Development</b> – Migration of data from source to staging and integration to semantic layers using Informatica PowerCenter, Teradata, Control M Scheduler and Unix.</li> <li>• <b>Cognos Framework Low Level Design Document Generator (Tool Development)</b> - Automation tool to generate the low level design document from the XML file generated from Cognos Framework Manager using Visual basic scripting for Excel Macros.</li> <li>• <b>Sunburst Visualization using Javascript and D3</b> – Employee Hierarchy rendered as a sunburst using javascript and D3 libraries.</li> </ul>	
<b>Intern : POJO Software Pvt Ltd</b>	<b>May 2011 – June 2011</b>
<ul style="list-style-type: none"> <li>• <b>Income Tax Returns Application</b> : Developed a web application to file for Income tax returns using Java servlets.</li> </ul>	

## COURSE PROJECTS

- **“Personalize-It”** – An android app that tracks and logs the changes undergone by the mobile device and helps user create personalized system settings. The system would “adapt” to provide intelligent suggestions to the user based on the history of preference changes.
- **Virtual Vending Machine using Eclipse Modelling Framework:** Modelling the system using Eclipse Modelling Framework and ecore modelling, Constraint modelling using OCL (Object Constraint Language) and Java.
- **Customer Vendor Notification System using Publish-Subscribe Pattern:** Design and implementation of the Customer-Vendor notification system depicting the functionalities of Publish, Subscribe, Unsubscribe and a notification system for managing the communication between publishers and subscribers. The project was implemented using Java.
- **Python based Black-box vulnerability scanner using Scrapy:** Black-box vulnerability scanner using python was developed to scrape the web application and scan it for security vulnerabilities like SQL injection(First and n<sup>th</sup> order) and Cross-site Scripting(XSS). Deep crawling and intelligent form filling were implemented to a certain extent.  
<https://github.com/reverse-CSE-591/reverse>
- **Implementation of Certificate Verification and Blind Signatures:** A tool was developed to verify the authenticity of a digital certificate and illustrate the working of a blind signature scheme using Java.
- **Denial of Service Defender using Apache Axis 2:** Pluggable module using java was built to defend a web service against denial of service(DoS) attacks using Apache Axis 2. The malicious request is not processed by the server, thereby, saving precious server-side resources.

## TECHNICAL SKILLS

- **Languages:** C, C++, Java, Ruby, Javascript, JSON, AJAX, JSP, Perl, Python, PHP, VBScript, PL/SQL, Shell scripting
- **Tools and Technologies :** Oracle, PostgreSQL, MySQL, Ruby on Rails, Apache Tomcat, Informatica, Teradata, Excel Macros, Tivoli Workload Scheduler, Control M Scheduler, TortoiseSVN, PVCS, Eclipse, Android Studio, XML, HTML, CSS, Git
- **Courses:** Security and Vulnerability Analysis, Applied Cryptography, Software Analysis and Design, Foundations of Algorithms, Operating Systems, Distributed and Multi-processor Operating Systems, Mobile Computing
- **Platforms:** Windows, Linux