

PROFESSIONAL EXPERIENCE

- | | | |
|--|--|------------------------------|
| Software Developer | Persistent Systems Limited, India | Jan 2013 - July 2013 |
| <ul style="list-style-type: none">• Developed multiple applications to gain experience working with C# language, .NET framework, LINQ, XML and RDL.• Redesigned the application (Report Template Editor) to include a new property page for the custom formatting of the templates.• Suggested and implemented innovative ideas to achieve a functionality of the editor and also provided support in case of bugs or errors detected while testing. | | |
| Digital Media Assistant | D. H. Hill Library, NCSU | Aug 2013 – Dec 2013 |
| <ul style="list-style-type: none">• Provided service to patrons for converting/editing/saving any form of digital media file and also conducted technical consultations to help them get started with any development tool/software or any coding language. | | |
| Intern | Reliance Communication | June 2010 – July 2010 |
| <ul style="list-style-type: none">• Participated in extensive product training, documenting Business Process using UML tool, Process level Exception Handling, interface designing and data extraction & Processing. | | |
| Intern | Loop Mobile | June 2009 – July 2009 |
| <ul style="list-style-type: none">• Developed skills in Cloud Computing (Infrastructure as Service (IaaS), Platform as Service (PaaS), System as services (SaaS)) and 3G data services. | | |

EDUCATION

- | | | |
|--|--|------------------------------|
| Raleigh, NC | North Carolina State University | Aug 2013 – Dec 2014 |
| <ul style="list-style-type: none">• Masters in Computer Science. GPA: 3.2• Graduate Coursework: Data Learning & Analysis, Design & Analysis of Algorithms, Database Systems, Software Engineering, Object oriented languages, Wireless Networking, Visual Interface for Mobile Devices, Artificial Intelligence, Network Designing & Management and Internet Protocols. | | |
| Mumbai, India | St. Francis Institute of Technology | June 2008 – June 2012 |
| <ul style="list-style-type: none">• B.E. in Computer Science Engineering. GPA: 3.6• Undergraduate Coursework: Operating Systems, Database design, Computer Architecture, Computer Networks, Programming languages, Data-structures & Algorithms, Compiler design and Discrete Math & Computation Theory. | | |

TECHNICAL EXPERIENCE

- **Content Based Image Retrieval system:** Implemented as a general-purpose library to extract edge and layer data of a given picture from a large database using **MATLAB** and communicated with the database server over web for matching.
- **Pedestrian Detection and Counting Algorithm:** Implemented to explore applicability of high-speed graphics card hardware for real time scale invariant feature detection and matching historical stored patterns using **CUDA** programming language.
- **Online Library Management system:** Process Automation system implemented Student registration, Books inventory management, Lending process management using **HTML, CSS, Java Script, Microsoft SQL Server, Servlets, MYSQL, RDBMS** and **Java** concepts.
- **StockMan:** Developed a game involving competition amongst friends using **Android SDK, Facebook APIs, MYSQL, and CodeIgniter**.
- **Vehicle to vehicle communication System:** Stimulated a network to find the speed (or delay) of "help" message dissemination in a Vehicle-to-Vehicle network in a real city using **SUMO** and **OMNET++**.
- **DireWolf Jobportal:** Created **SaaS application in Ruby on Rails** that enabled job seekers to look for jobs and employers to find suitable candidates.

SKILLS PROFILE

- **Programming Languages:** C, C++, C#, Java, SQL, XML, Ruby, JavaScript
- **Web:** HTML 5, CSS, PHP, XML Schema, JavaScript libraries (Bootstrap, d3, nvd3, angular, knockout, node), Bower and Grunt.
- **Servers:** Apache Tomcat, Microsoft SQL Server
- **Software applications:** Eclipse, Visual Studio, Dreamweaver, JCreator, MATLAB, UML, Rational ROSE, Rational Clear, R, Microsoft Project, Bugzilla, VersionOne, XCode, Github, OPNET, Wireshark.
- Familiar with **Software engineering process models** and **Design patterns**.