

PROFESSIONAL EXPERIENCE

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| Software Developer | Persistent Systems Limited, India | Spring-Summer 2013 |
| Report Template Editor: The application generated custom Report Definition Language (RDL) files and helped HealthCare industry to generate custom Reports. | | |
| <ul style="list-style-type: none">• Developed multiple applications to gain experience working with C# language, .NET framework, LINQ, XML and RDL.• Redesigned the 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 | Fall 2013 - Present |
| <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 2009 – July 2009 |
| <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 2010 – July 2010 |
| <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

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| Raleigh, NC | North Carolina State University | Fall 2013 – Dec 2014 |
| <ul style="list-style-type: none">• Masters in Computer Science.• Graduate Coursework: Network Designing & Management, Internet Protocols, Data Learning & Analysis, Design & Analysis of Algorithms, Database Systems, Wireless Networking, Artificial Intelligence and Visual Interface for Mobile Devices. | | |
| Mumbai, India | St. Francis Institute of Technology | June 2008 – June 2012 |
| <ul style="list-style-type: none">• B.E. in Computer Science Engineering. GPA: 3.5.• 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.
- **Peer File Sharing System:** Implemented a peer-to-peer file sharing system using distributed index in **C#** as well as **Java**.
- **Online Library Management system:** Process Automation system implemented Student registration, Books inventory management, Lending process management using **HTML, CSS, Java Script, Servlets, Apache Tomcat Server** and **Microsoft SQL Server**.
- **ATM Authentication System:** Implemented as an introductory database management coursework in **VB** and **SQL**.
- **StockMan:** Developed a game involving competition amongst friends using **Facebook APIs, Android, PHP, RDBMS** and **MYSQL**.
- **Reasonable Care Management System:** Implemented an interface for students, doctors and nurses to schedule and receive medical care using **MYSQL, RDBMS** and **Java** concepts.
- **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++**.
- **Compiler Design:** Primitive compiler implementing lexical and syntax analyzer using **Java**.

SKILLS PROFILE

- **Programming Languages:** C, C++, C#, Java, SQL, Visual Basic
- **Web:** HTML 5, CSS, Javascript, PHP, MySQL, XML Schema
- **Servers:** Apache Tomcat, Microsoft SQL Server
- **Software applications:** Eclipse, Visual Studio, Dreamweaver, JCreator, MATLAB, UML, Rational Rose, Netbeans, R, Eclipse