

EDUCATION

Syracuse, NY Master of Science: Computer Engineering	Syracuse University	Jan '17 – Expected Dec '18 GPA - 3.88/4.0
Mumbai, India Bachelor of Engineering: Computer Engineering	University of Mumbai	May '13 GPA - 3.8/4.0

EMPLOYMENT

Teaching Assistant • Course: “Advance Data Structures and Algorithms”, Graduate level course • Helping students with their doubts and grading Assignments.	Syracuse University	Fall '17
Research Assistant • Worked on GNU Radio, an Open Source-Software Radio for signal processing in C++ and Python. • Added new signal processing blocks and improved efficiency of existing blocks using Cache Optimization techniques, Boost libraries, Eigen Linear Algebra libraries.	Syracuse University	Summer '17
Software Engineer • Trained and developed applications in Mainframe domain. • Built multiple Automation Tools improving SLA from weeks to few days using JCL, easytrieve languages. • Experienced working in Agile Methodology using Scrum.	Accenture Services Private Limited	Nov '13 – Dec '16

TECHNICAL SKILLS

- Programming languages: Java, C++, C#, Python, C
- Web Technologies: HTML, CSS, JavaScript, AJAX, PHP, Web Services-REST, SOA
- Operating Systems: Windows, Linux, Android
- Database: Oracle, SQL Server, MySQL, SQLite, Firebase Realtime DB
- Tools: Eclipse IDE, Visual Studio, Android Studio, Git.

ACADEMIC PROJECTS

Social Media Android App for Foodies: (Java) • Features include Navigation Drawer, Recycler-View, View-Pager, Coordinator Layout, access local storage and use Camera App. • Hosts data in Firebase Realtime Database Cloud with Push Notifications.	Fall '17
Remote Build Server: (C#) • Includes a Process Pool and a Socket based Message-passing Communication Channel implemented using Windows Communication Foundation (WCF). • Also, includes a GUI for user to operate on using Windows Presentation Foundation (WPF).	Fall '17
NoSQL – Key-Value Database: (C++) • NoSQL Database having Key-Value pairs as records, implemented using a Hash Table. • Supports efficient Query mechanism using regex and persisting database to and from xml.	Spring '17
Type-based Dependency Analysis: (C++) • Code Analysis Tool which analyzes dependencies between source code files based on their types such as classes, structs, enums, typedef, aliases, global function definitions. • Implements Strongly Connected Components between source code files using Tarjan's Algorithm.	Spring '17
Remote Code Publisher: (C++) • Publishes source code files into html pages with above Type-Based Dependency Analyzer. • C++ socket based communication channel by using HTTP style request/response messages for remote services. Also, includes a GUI in C++/CLI for the user	Spring '17
Virtual Classroom with Data Mining: • Website where students can attend lectures scheduled by professors through Video Conferencing and “Enhanced K-means” clustering algorithm which clustered students based on their grades. • Additional features included Chat application, Online Exam, Uploading notes, Live PPT. • Technologies used were HTML, CSS, JavaScript, AJAX, PHP, MySQL.	Fall '16