

---

## EDUCATION

<b>Clemson, SC</b>	<b>Clemson University</b>	<b>Fall 2015 – Present</b>
<ul style="list-style-type: none"><li>• M.S in Computer Science, May 2017 (Expected). GPA: 3.77</li></ul>		
<b>Mumbai, India</b>	<b>University Of Mumbai</b>	<b>Aug 2009 – July 2013</b>
<ul style="list-style-type: none"><li>• B.E in Computer Engineering, July 2013. GPA: 3.6</li></ul>		

---

## EMPLOYMENT

<b>Web Developer, Intern</b>	<b>Hindustan Petroleum Corporation</b>	<b>Sep 2014 – Nov 2014</b>
<ul style="list-style-type: none"><li>• Actively participated in developing and debugging the in-house web applications for the organization.</li><li>• Developed a data logging application (frontend and backend) pertaining to employee information. The application was developed using HTML, CSS, PHP and the relational database used was Microsoft SQL Server.</li></ul>		
<b>Associate Software Engineer</b>	<b>Accenture Services Private Limited</b>	<b>Nov 2013 – Aug 2014</b>
<ul style="list-style-type: none"><li>• Worked as a part of a test-driven development team. Designed and developed Junit test cases for applications of the client.</li><li>• Worked on expanding Junit based functional tests and HP QTP based automated tests for a parts management application of the client.</li><li>• Replaced manual functional testing behavior with automated functional testing behavior for the project applications.</li></ul>		

---

## ACADEMIC PROJECTS

- **Boolean Retrieval System** (2017). A Boolean retrieval search system for retrieving information from the Reuters-21578 dataset. A parser to read the data files and parse them and an indexer which indexes the data files were developed. A search engine which searches for word queries over the index files in a distributed systems environment is developed. Java, Hadoop, Python
- **Python Interpreter** (2016). A python interpreter which handles expressions, variables and nested python functions. A test-suite which tests the interpreter for correctness. In this project, a yacc-able version of the Python grammar used. Semantics actions such expression evaluation using an expression abstract syntax tree, scope resolution using symbol table creation was done in an object oriented manner using C++. The test suite was written in Python which tested for the correctness of the interpreter. C++, Python
- **EOE Application** (2016). An iOS application for the patients who are being treated with Eosinophilic esophagitis allowing the doctors to collect the information regarding the patient's symptoms. The patients fill in periodic surveys using the app regarding their quality of life symptoms. An interactive food diary is incorporated in the app allowing the patients to fill in their meal information accurately thereby helping the doctors to diagnose the patients in a better way. Swift, SQL, PHP, HTML, JavaScript
- **Metube** (2016). An online multimedia database system which allows the users to share, view and download various types of multimedia files on a common platform based on their interests. This application also allows the users to make friends, block other users and organize their media by making playlists and favorite lists. PHP, SQL, HTML, CSS, JavaScript
- **TFRC Protocol** (2015). A project that was aimed at implementing the TFRC protocol on UDP using a Client-Server socket programming model. The UDP (Universal Datagram Protocol) is internet communication protocol which allows unreliable transfer of data from one host to another. Implementation of TFRC protocol on UDP provides the congestion control and avoidance functionalities when UDP is used as a communication protocol between client and server. C

---

## TECHNOLOGIES

- Languages/Technologies: C++, Java, C, Python, PHP, Swift, JavaScript, SQL, HTML, CSS, Bootstrap.js, Hadoop
- Relational Databases: MySQL, Microsoft SQL Server.
- Tools: Eclipse, XCode, Visio, HP QTP, HP UFT, HP QC, Visual Studio.
- Operating Systems: Linux, Mac OS, Windows.