

EDUCATION

1. **Master's in Computer Science – CGPA 4.0** May 2020
University of North Carolina at Charlotte, Charlotte
2. **Bachelor of Engineering – Information Technology – CGPA 3.46** May 2016
St. Francis Institute of Technology, University of Mumbai, India.

TECHNICAL SKILLS

- **Programming Technologies:** Java, Python, NodeJS, Android Development, Spring Boot, C++, C, Servlet, JSP, Hibernate, JSON, XML, AJAX.
- **Web Technologies:** HTML5, CSS3, JavaScript, AngularJS, JavaScript: ES6, Sass, Bootstrap, Express.js, Webpack, Babel, Mocha, jQuery, Vue.js.
- **Database:** Oracle PL/SQL, SQL, MongoDB, MySQL, NoSQL.
- **OS:** Android, Linux, Windows, Chrome, Native Platforms (RIM).
- **Tools:** Maven, Jenkins, Eclipse, Tortoise SVN, SonarQube, Git, IntelliJ, PyCharm, Jupyter Notebook, Android Studio, JIRA, Docker.
- **Cloud Services/Servers:** Apache Tomcat Server, Oracle Web logic server, AWS, Heroku.
- **Project Model Concepts:** Agile Methodology, Waterfall.

WORK EXPERIENCE

- Robert Bosch LLC – Pittsburgh, PA (Android, Java, C++, OpenCV, Vue.js)** June 2019 – August 2019
Android App Development Intern
- Worked on Fined Grain Occupancy Estimation using depth frames from Intel RealSense camera to count the number of people in the room using OpenCV image processing in C++.
 - Reengineered the FORK image processing algorithms by 60% which led to the improvement of the depth frames per second.
 - Collaborated with SAST team to execute the algorithm in SAST OS which is an enhanced version of Android OS, developed for IOT based Security Systems.
 - Built a REST APIs in Java which led us to pass data from the mobile application to a web interface.
 - Developed a web interface on Vue.js which led to broadcast of the depth images captured on camera to a Web browser.
- Tata Consultancy Services - Mumbai, India (Java, Spring Framework, Oracle PLSQL, Angular.js)** Nov 2016 – May 2018
Assistant System Engineer
- Redesigned NextStep portal of TCS using **Spring, Java** and **AngularJS** with **Oracle PLSQL** as a backend which led to streamlining of the fresher recruitment process easier and hassle-free.
 - Resolved and maintained the production website of Nextstep ensuring it is up and running all the time.
 - Collaborated with multiple teams to provide an integrated product to the end-user.
 - Pioneered Automation and Continuous Integration pipeline using **Jenkins** thereby reducing the release time by 80%.
 - Provided user requirements analysis, design and support for enhancement of Web application accessed by millions of users in India.

PROJECTS

- Car Pooling Mobile Application (Android, Java, Firebase, Google Maps API, Google Places API)** [\[Link\]](#) Fall 2019
- Developed an Android application which helps you plan your next Trip ride from your mobile device using Google places and maps api.
 - Created a functionality which where the user can upload photos of the trip, add important notes, add chat with users using a chat room.
- Smart Bluetooth Marketplace (Android, Java, NodeJS, MongoDB, Braintree, Estimote, Stripe)** [\[Link\]](#) Fall 2019
- Engineered a smart marketplace app that shows products of an aisle in the app based on the user's proximity to the Bluetooth beacon.
 - Integrated Braintree and Stripe payment gateways which led to hassle free checkout of products for the customer.
- UNCC Book Exchange Application (Spring Boot, Java, MySQL, Angular 8, HTML5, CSS3, Bootstrap)** [\[Link\]](#) Fall 2019
- Designed a Book exchange web app for UNCC using Spring Boot and MySQL database thus enabling them to buy and sell preowned books.
 - Developed the web user interface using Angular 8, HTML5, CSS3, Bootstrap & JavaScript thus providing an enhanced user experience.
- Customer Retention System (Machine Learning, Python, NumPy, scikit, pandas, plotly)** Spring 2019
- Created predictive models using historical and current data to improve and empower customer retention for a system.
 - Applied a matrix of Customer Retention Rate, Customer Lifetime Value, Repeat Purchase Rate, Redemption Rate and Net Promoter Score to develop a set of predictive models that applied a score to every customer.
- Fitness for Life – Web Application (HTML5, CSS, JavaScript, MongoDB, NodeJS, AngularJS)** [\[Link\]](#) Spring 2019
- Modernized a Fitness Product e-commerce site using advanced frontend technologies such as AngularJS, jQuery, HTML5, CSS3.
 - Implemented application backend using Express, MongoDB and NodeJS.
- Generating SQL queries from Natural Language (Python, Nltk, SQL, PyCharm)** Fall 2018
- Programmed an application in python which translates normal English text to SQL queries and execute the output from the database.
 - Engineered a tool which reduces the requirement of expertise knowledge for generating SQL queries from a database.

CERTIFICATIONS

- **AngularJS Foundation** - TCS Internal Certification
- **Proficiency in Java Technology** - Rajesh Patkar Institute of Software Engineering
- **Object Oriented Programming Using C++** - NIIT