

Education

Master of Science in Computer Science – CGPA 3.88/4

August 2018 - May 2020

University of North Carolina at Charlotte, Charlotte

Bachelor of Engineering – Information Technology – CGPA 3.46/4

August 2012 - May 2016

University of Mumbai, India.

Technical Skills

Programming Technologies: Java, Python, NodeJS, Spring Boot, C++, C, C#, Hibernate, JSON, XML, AJAX, JUnit, Kotlin, ZeroMQ.

Web Technologies: HTML5, CSS3, JavaScript, Angular, ES6, Sass, Bootstrap, Express.js, jQuery, Vue.js, Gulp, Webpack, TypeScript.

Database: Oracle PL/SQL, SQL, MongoDB, MySQL, NoSQL.

OS: Android, Linux, Windows, Chrome, iOS.

Tools: Maven, Jenkins, Eclipse, Tortoise SVN, Git, IntelliJ, PyCharm, Android Studio, JIRA, Visual Studio, Android SDK, Gradle.

Cloud Services/Servers: Tomcat Server, Web logic server, AWS, Heroku, Google Cloud Platform, Kubernetes.

Project Model Concepts: Agile Methodology, Waterfall, Scrum, Kanban.

Work Experience

Robert Bosch – Pittsburgh, PA (Android, Java, C++, OpenCV, Vue.js, Dagger, RxJava)

June 2019 – August 2019

Application Development Intern

- Worked on Fined Grain Occupancy Estimation using depth frames from Intel RealSense camera to count people in the room using Android NDK and OpenCV image processing.
- Reengineered the FORK image processing algorithm by 60% which affected the improvement of the depth frames.
- Built a REST APIs using Spring Boot and RxJava which helped to broadcast data from the mobile application to a web interface and improved user experience by 70%.
- Designed a web interface using Vue.js to revitalize the image visualization capabilities on a Web browser.
- Initiated collaboration with SAST application team to produce an end to end application for the user and productivity by 40%.
- Integrated ZeroMQ messaging library to enable seamless communication between multiple devices in the IoT ecosystem.

Tata Consultancy Services - Mumbai, India (Java, Spring Framework, Oracle PLSQL, Angular.js)

Nov 2016 – May 2018

Software Engineer

- Redesigned NextStep portal using Spring, AngularJS and Oracle PLSQL which led to an increase in user satisfaction index by 60%.
- Resolved and maintained the production website of Nextstep ensuring there is zero downtime.
- Collaborated with multiple teams to provide an integrated solution to the user and increase productivity by 30%.
- Facilitated Automation and Continuous Integration pipeline using Jenkins thereby reducing the release time by 80%.
- Recommended product solutions to institutional and corporate clients; grew customer base by +25% in India.

Projects

Smart Bluetooth Marketplace (Android, Java, Node.js, MongoDB, Braintree, Estimote, Stripe, Picasso)

Fall 2019

Engineered a smart marketplace mobile app that uses the user's proximity to display products on the app.

Integrated Braintree and Stripe payment gateways which resulted in a hassle-free checkout for the customer.

Developed restful api's using Node.js and deployed it on Heroku.

Car Pooling Mobile Application (Android, Java, Firebase, Google Maps & Places API, OkHttp3, GCP)

Fall 2019

Implemented an Android application that helps the user find rideshare and thereby reducing the trip cost by 40-60%.

Incorporated GCP and Google APIs to give better usability of the app by providing features such as uploading photos, user chat.

UNCC Book Exchange Application (Spring Boot, MySQL, Angular 8, HTML5, CSS3, Bootstrap)

Fall 2019

Designed a Book exchange web application using Spring Boot tech stack. Developed single page web interface using Angular enabling a seamless user experience and tripled the ease of use of the application.

Facilitated SCRUM for agile development and participate in team-led solutions, reviewing peer's code for quality and completeness.

Fitness for Life – Web Application (HTML5, CSS, JavaScript, MongoDB, Node.js, Angular)

Spring 2019

Modernized a Fitness Product e-commerce platform using MEAN tech stack thus achieving high flexibility, a 25% increase in speed, and reusability of the components.

Customer Retention System (Machine Learning, Python3, NumPy, Scikit, Pandas, Plotly)

Spring 2019

Innovated predictive model using historical data to empower customer retention and influence growth in business by 25-30%.

Consolidated a matrix of Customer Retention Rate, Customer Lifetime Value, Repeat Purchase Rate, Redemption Rate, and Net Promoter Score to develop a model that applies a score to customers.