

EDUCATION

University of North Carolina at Charlotte, Charlotte, NC

Aug 2017 – Dec 2018

Master of Science in Computer Science

GPA: 4.00

Thakur College of Engineering and Technology, Mumbai, India

Aug 2012 – May 2016

Bachelor of Engineering in Computer Engineering

GPA: 9.02/10

TECHNICAL SKILLS

Programming Languages and Web Technologies:	Java, JavaScript: ES6, HTML5, CSS3, Sass, Bootstrap, Android
JavaScript Frameworks and Libraries:	Node.js, Express.js, React, jQuery – AJAX
Database Technologies and Web Tools/Services:	MySQL, MongoDB, Webpack, Babel, Mocha, REST, MVC
Version Control & Software Tools/IDE:	Git, Jenkins, Tableau, Android Studio, Visual Studio Code

WORK EXPERIENCE

Graduate Assistant, Advising Systems - UNC Charlotte, NC

Dec 2017 – Present

- Analyzed undergraduate student data to predict outcomes for national clinical research trial called IPASS.
- Worked on building standalone application using JavaMail API to automate the process of mail merge.
- Contributed in writing script to aid in integration of advising systems using Java, XPath, and Selenium WebDriver.

Software Engineer, Vistaar Digital Communications, India

Jan – July 2017

- Successfully developed AirWayBill for *expressrates* to save 3 minutes/bill & \$0.08/paper by storing in the relational database using MySQL and included the functionality to print bill & generate barcode for Cargos using PHP & FPDF.
- Worked in a collaborative team of developers & testers along with business leaders, product owners & scrum masters.
- Followed Design Principles, Agile and utilized Asana as Project Management Tool and GitHub version control.
- Key player for developing mobile-first responsive web-design for *The Great Next* using CSS3, jQuery & Photoshop.

Software Engineer, JSquarebiz Solutions, India

June – Dec 2016

- Implemented cross-browser compatible responsive website using Bootstrap & JavaScript to improve retention rate.
- Followed software development standards and best design principles like Consistency, Familiarity & Feedback.
- Adopted Agile with pair programming & code reviews to ensure all accepted code is consistent, efficient & reusable.
- Designed Database for integration with server-side using PHP-MySQL & analyzed UI/UX design to improve usability.

ACADEMIC PROJECTS

Swapping Auction (Node.js, Express.js, MongoDB, EJS, MVC, REST)

FALL 2018

- Followed MVC Design Pattern to structure the web application & EJS Template Engine with use of Partials. Maintained the session of the web application and validation using Express. Cross browser compatible with Chrome and Firefox.
- Scaled the application by using NoSQL database structure to persist data with help of MongoDB using Mongoose ODM.

Indecision App (React, Sass, Webpack, ES6, JSX, Heroku)

SUMMER 2018

- Designed reusable User Interface Stateful and Stateless Functional Components using JavaScript Classes and React.
- Block element Modifier methodology to style components in the front-end using Sass and used Webpack build tool.

Light Rail Management System (MySQL, Agile)

FALL 2017

- Implemented SQL database for Charlotte City, with complete process of booking tickets, checking schedules & routes.
- Designed Stored Procedures, Stored Functions and Triggers to automate the process of ticket validation.
- Experienced in all Project phases using Agile Principles, Outlined and Prioritized User Stories. [Project Documentation](#).

Amelioration of K-Means Algorithm (Java, Node.js, MongoDB, AngularJS)

SPRING 2016

- Enhanced K-means Data Clustering Algorithm by calculating initial centroids to provide better clusters, and reduce the number of iterations, thus improved time complexity to filter products based on rating; Video Link: <https://goo.gl/tNh8da>

EXTRA-CURRICULAR ACTIVITIES

President – ‘Triveni Indian Student Association’: Represented India at UNC Charlotte, aided 700+ aspiring grad students.