

## PROFESSIONAL SUMMARY

- Meticulous Full-stack developer with solid understanding of Agile, MVC, REST, Relational and NoSQL databases.
- Strong understanding of Data Structures and Algorithms & proficient in developing Object-Oriented Applications.
- Work experience in developing scalable applications with cross-browser compatibility & responsive web-design.

## 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

### 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 time & paper cost by storing in the relational database using MySQL.
- Built the functionality to print bill & generate barcode for Cargos using PHP & FPDF and feature for user to access & email bills.
- Worked in a collaborative team of developers and testers and closely with business leaders, product owners & scrum masters.
- Followed Design Principles, Agile Principles 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 and Photoshop document.

### Software Engineer, JSquarebiz Solutions, India

June – Dec 2016

- Implemented Mobile-First responsive website using Bootstrap & JavaScript which helped to increase the number of visitors.
- 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.
- Database design for integration with server-side PHP using MySQL and analyzed UI/UX design layout for improved usability.
- Wrote JavaScript functions to handle form validations and client-side animation such as Modal, loader using jQuery and CSS3.

## ACADEMIC PROJECTS

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

FALL 2018

- Followed MVC Design Pattern to structure the web application and EJS Template Engine with use of Partial. 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.

### THEMOVIEDB (Android)

FALL 2017

- Mobile App to search Movies using REST API, JSON Parsing and RecyclerView to list the results & Picasso for rendering images.
- Wrote Java Custom comparators to sort and search Movies from the searched results to increase usability.

### 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, following it reduced the number of iterations and improved the 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 around 700 aspiring graduate students.