darshakmehta.github.io
github.com/darshakmehta
linkedin.com/in/darshakmehta

DARSHAK MEHTA

Phone: (704) 236-2921
Email: darshak_mehta@live.com

PROFESSIONAL SUMMARY

Meticulous Full-stack developer with solid understanding of Agile, MVC, Object-Oriented Programming, Data Structures & Algorithms and 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 & Web Technologies:	Java, JavaScript: ES6, HTML5, CSS3, Sass, Bootstrap, PHP, Android
JavaScript Frameworks & Libraries:	Node.js, Express.js, React, EJS, JSX, jQuery - AJAX, NPM, AngularJS
Database Technologies and Web Tools/ Services:	MySQL, MongoDB – Mongoose ODM, Webpack, Mocha, REST, MVC
Version Control & Software Tools:	Git, Jenkins, Tableau, Android Studio, Visual Studio

WORK EXPERIENCE

Graduate Assistant, Advising Systems - UNC Charlotte, NC — **Dec 2017 – Present**
- Worked on building standalone application using JavaMail API to automate the process of mail merge and contributed in writing script to aid in integration of advising systems using Java, XPath, and Selenium WebDriver.
- Analyzed undergraduate student data to predict outcomes for national clinical research trial called IPASS.

Software Engineer, Vistaar Digital Communications, India — **Jan – July 2017**
- Successfully developed AirWayBill for *expressrates* to automate the mundane process of filling the bill, and reduced time and paper cost by storing the information in the relational database using MySQL. Developed the functionality of printing the form and barcode generator for Cargos using PHP. Added feature for user to access and email bills from past three years.
- Worked in a collaborative team of developers and testers and closely with business leaders, product owners, scrum masters & graphic designers by following Agile Methodology and utilized Asana as Project Management Tool and GitHub version control.
- Migration of Bootstrap 2 to Bootstrap 3, and successfully achieved challenging task of implementing multiple jQuery versions.
- Key player for developing mobile-first responsive web-design for *The Great Next* using CSS3 and Photoshop document.

Software Engineer, JSquarebiz Solutions, India — **June – Dec 2016**
- Implemented Mobile-First responsive website using Bootstrap & JavaScript (ES5). Amplified the number of visitors by following best design Principles like Consistency, Familiarity & Feedback. Adopted Agile methodology with pair programming technique and code reviews to ensure all accepted code is consistent, efficient, and reusable. Followed software development standards.
- Database design for integration with server-side PHP using relational Database MySQL. Wrote JavaScript functions to handle form validations and client-side functionality using jQuery. Analyzed UI/UX design for responsive layout for improved usability.

ACADEMIC PROJECTS

Swapping Auction (Node.js, Express.js, MongoDB) — **FALL 2018**
- Followed MVC Design Pattern to structure the web application and 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) — **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 Methodologies, Outlined and Prioritized User Stories. Project Documentation.

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