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DARSHAK MEHTA

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EDUCATION

University of North Carolina at Charlotte, Charlotte, NC	**Dec 2018**
Master of Science in Computer Science	GPA: 4.0/4.0
Thakur College of Engineering and Technology, Mumbai, India	**May 2016**
Bachelor of Engineering in Computer Engineering	GPA: 9.02/10.0

TECHNICAL SKILLS

Programming Languages and Web Technologies:	TypeScript, JavaScript(ES6), Sass, Java, Android
JavaScript Frameworks and Libraries:	React, Angular, Node.js, Express.js, Redux, jQuery (AJAX)
Database Technologies and Web Tools/Services:	MySQL, MongoDB, Webpack, Babel, Mocha, REST, MVC
Version Control & Software Tools/IDE:	Git, Git Actions, Jenkins, Datadog, Splunk, New Relic

WORK EXPERIENCE

Senior Software Engineer, Optum Digital – San Francisco, California   **March 2019 – Present**
- Led the development of a responsive, multilingual, & accessible MVP, deploying it for nearly 17M users.
- Effectively managed the deployment of new product features and the maintenance of existing services.
- Contributed to engineering processes and standards improvements to enhance efficiency and product quality.
- Developed backend services, models, schema and writing API for client to consume using Scala and NoSQL Database.
- Writing unit and automation tests for both UI & backend services using Jest, Webdriver IO, Robot and ScalaTest.
- Adopted Agile with pair programming & code reviews to ensure all accepted code is consistent, efficient & reusable.
- Provided vital production support, using Splunk & DataDog for monitoring, improving system stability & performance.

Graduate Assistant, Advising Systems - UNC Charlotte, NC   **Dec 2017 – Dec 2018**
- 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.

PROJECTS

Pachkhān and Choghadiya Timings (React, Vercel, Google Analytics 4, Weather API)   **June 2023 – Present**
- Developed and launched a responsive, cross-browser MVP web app attracting over 8,500 users since June 2023.
- Used React and Material UI to build an interactive user interface, and integrated weather API for real-time data.
- Hosted on Vercel and Integrated with GA4 for user insights to drive data-driven improvements.

Swapping Auction (MongoDB, Express.js, EJS, Node.js, 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.

Light Rail Management System (MySQL, Agile) Project Documentation   **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.

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