**RAVINA GAIKAWAD**

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# EDUCATION

**The University of North Carolina at Charlotte,** North Carolina (*Master of Computer Science*) **Aug 2019 – May 2021**

**Current Courses:** Mobile Application Development, Algorithm and Data Structures, Knowledge Discovery and Databases, Intelligent Systems, Network-Based Application Development, Software System and Design Implementation, Computer vision, Cloud Computing for Data Analysis. **GPA – 4/4**

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| **S.I.E.S Graduate School of Technology,** Mumbai, India (*Bachelor of Engineering in Information Technology*) | **June 2013 – May 2017** |

# WORK EXPERIENCE

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| **Project:** Stagen Mobile App | **June 2020 – August 2020** |
| **Organization:** Slalom Build | |
| **Title:** Software Engineer Intern | |
| * Built an **iOS/Android mobile application** for a leadership academy to facilitate continued learning experiences. * Built **RESTful** API endpoints for application services with **AWS' API Gateway**, **Lambda**, **DynamoDB** (NoSQL), **CloudFormation**, **Cognito User Pools**. * Developed UI components and application features with **React Native**, **TypeScript,** and **Redux**. * Authored **unit tests**, resolved app **build** failures reviewed pull requests, and actively participated in sprint planning sessions and backlog refinement. * Implemented application with **serverless** **cloud architecture** aiding **CI/CD** development processes. * Worked in a fast-paced **Agile SCRUM** environment with a **cross-capability** team. | |

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| **Project:** Personal Health Recommendation System | **Jan 2020 – May 2020** |
| **Organization:** University of North Carolina at Charlotte | |
| **Title:** Graduate Research Assistant | |
| * **Researched** extensively about the state of art on the current Health recommendation systems. | |
| * Built a **proof of concept** for patients with chronic pain can use post-treatment for homecare. * Developed a **prototype** of the recommendation system on the **web** and **mobile**. * Explored and tried various frameworks for **sentiment analysis** for suggesting articles based on user preferences. * Suggested **feature implementation** that logs the symptoms and recognizes possible illness and treatments. | |

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| **Project:** Bulk Utility System | **June 2017 – June 2019** |
| **Organization:** GEP Worldwide | |
| **Title:** Software Engineer | |
| * Developed a **Bulk Utility System** to upload ~ 1 million rows/day with more than 120 data points. * Integrated Excel Business Validations in Bulk Utility System **reducing man-hours by 10%**. * Improved user’s accessibility and data retrieval process using **APIs** with Middleware and **stored procedures**. * Developed **end to end** application modules with both **client-side and server-side coding** after doing requirement analysis. * Worked in an **Agile** environment implementing **SCRUM** methodologies using **JIRA**. * Used **NUnit** Framework for writing unit test cases on the server-side/back-end. * Generated coverage reports using **Karma** and **Jasmine** on the client-side/front-end. | |

# TECHNICAL SKILLS

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| * **Programming Languages** | HTML, CSS, C, C#, Java, SQL, Python, JavaScript, Typescript, JSX |
| * **Frameworks** | Angular,Express.js, ASP .NET MVC, React-Native, Ionic, Android, Node.js |
| * **Database** | Microsoft SQL Server,Oracle, MySQL, MongoDB, DynamoDB |
| * **Release and Deployment** | VSTS, Octopus, AWS |
| * **Version Control** | TFS, GIT, Bitbucket |

# ACADEMIC PROJECT / TECHNICAL PAPER

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| **Title:** Ultrasonic Navigation based Blind Aid for the Visually Impaired | **May 2017 to December 2017** |
| * This project consisted of a blind stick and an app to deliver voice messages to the blind person. Blind stick helps the blind person to walk avoiding the obstacles. Both solid and liquid obstacles are detected by this stick and provides voice alerts on his phone through the Bluetooth embedded in the stick. * It also helps the blind person to walk in open spaces by connecting to maps when the destination is given via speech to the app. It has a fixed-route option that helps the blind to travel the same route every day with instructions to directions. * The technical paper titled *Ultrasonic navigation based blind aid for the visually impaired* (ISBN: 978-1-5386-0814-2) was selected for and published into the prestigious *Institute of Electrical and Electronics* *(IEEE)* journal *in June 2018.*   Link - <https://ieeexplore.ieee.org/document/8391846> | |