**Education**

**University of North Carolina at Charlotte Aug 2019 - Dec 2020**

**MASTER OF SCIENCE, Information Technology**, **GPA: 3.8/4.0**

**Technical Skills**

**Languages :** Java, Python, SQL

**Web Dev :** Node.js, Express.js, Angular, JavaScript, HTML5, CSS, REST, XML, JSON, React.js, MVC, OAuth2

**Databases :** MySQL, PostgreSQL, MongoDB, Oracle

**Software Engineering :** SDLC, Agile,CI/CD, Linux, Eclipse, GitHub, MySQL workbench, JIRA, Jenkins, Confluence

**Familiar with :** Amazon Web Services, Google Cloud Platform, A/B testing**,** Docker

**Work Experience**

**Software Engineer**,(Intern), **Relgo Networks** (Hyderabad) **Jan 2019- July 2019**

* Developed a platform for ecommerce distribution used by **1000’s** of users using **NodeJS** and AWS cloud infrastructure
* Developed web application by coordinating with product team for requirements which resulted in more than 10 BRD. Involved in various stages of **Software Development Lifecycle**. Applied test driven development approach in an **agile** environment
* Developed authentication system using Passport.js and OAuth2 for user login page and used **Bcrypt** library for salt hashing

which **ensured** **100%** security and improved user experience using HTML, CSS, React.JS

* Utilized my in-depth functional knowledge to implement features such as emailing, auditing user actions using **nodemailer**

which resulted in **160hr/week** less manual work

* Initiated and took ownership of designing database model and developed MongoDB (NoSQL) based external **Restful API**

which decreased the wait time by **60%**

* Thereafter, configured CI/CD lifecycle for high volume application resulting in **20%** reduction of average deployment time
* Was recognized for excellent debugging skills as I fixed over **50 bugs** during the project and was given **spotlight award**

**Quality Specialist** **Amazon Development Centre** (Hyderabad) **July 2016- Jan 2018**

* Worked on enhancing data quality of AMAZON ecommerce website which has **billions of customer** interactions
* Worked onquery optimization, data cleansing, trouble shoot ETL pipelines using tools and services such as **EMR, S3, RDS, AWS Glue** and created data visualizations using Tableau
* Optimized complex SQL queries on large scale data in **Relational Database Systems** and increased the efficiency of report generation by **60%**
* Automated periodic queries and bi-monthly data manipulation tasks through PowerShell and python scripts
* Reduced **120hr/week manual work** using my in-depth functional knowledge to integrate features such as automated emails

 after an update in the database from delivery made

**Academic Projects**

**Online Food Festival Jan 2020- Mar 2020**

* **Voluntarily** developed and deployed a web application for a university food store which was used by **100’s** of **students**.
* Scaled it using NoSQL database(**MongoDB)**.Technologies used: **NodeJS, Express JS, Angular, MongoDB, HTML, CSS, JS, AWS**

**Healthcare Record System Aug 2019- Dec 2019**

* Developed a database to store medical records of patients, their visits, prescriptions, diagnosis
* Written multiple stored procedures and triggers and views for query enhancement and role-based access of the system
* Technologies: **Java Servlets & JSPs, JDBC, MVC, MySQL**

**Images Classification using CNN Aug 2019- Dec 2019**

* Trained 50,000 sample records and developed a classification model using CNN. Used techniques such as data augmentation, Hyper Parameter Tuning, Transfer Learning. Achieved training accuracy of 91% and test accuracy of 82%.

**Search Engine suggestion using Tries Aug 2019- Dec 2019**

* Conducted a 3 hour workshop for undergrads and developed a python phone directory application using **Tries data structure** to enable search functionality. Data was stored in text file.

**Certifications**

* IBM Certified Data Analysis with **Python**
* Secured **gold badge** Hacker rank certification for **problem solving** and **Python**