Satish, Aditya Ganesh

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Education

Master of Science, Information Systems	**Expected August 2022**

Northeastern University, Boston, Massachusetts (GPA 3.73/4)

Bachelor of Technology, Computer Science and Engineering	**May 2020**

Gandhi Institute of Technology and Management, Visakhapatnam, Andhra Pradesh (GPA 8.73/4)

Technical Skills

Programing Languages & Database: Java, C, Python, MySQL, MongoDB, Oracle

Front-end: VueJs, Vuex, ReactJS, Redux, HTML5, CSS3, SASS, Tailwind

Back-end: Node JS, Express JS, Spring MVC, JSP, Hibernate ORM

Work Experience

Front-End Developer	**January 2022 – June 2022**

Peapod Digital Labs, Quincy MA

- Created components using Vue JS that can help users to select and save their dietary preferences
- Refactored and migrated components that has helped to improve the efficiency of the application
- Written multiple test case using JEST to test components

Projects

MyMusicApp (VueJs, Vuex, Tailwind, JEST).	**February 2022- April 2022**

- Created a responsive music application using VueJs where users can upload songs and listen to songs uploaded by others
- Implemented Authentication and storage using Firebase
- Performed snapshot testing and written testcases using JEST

EzFlight (Spring MVC, Hibernate, MySQL, AJAX).	**November 2021- December 2021**

- Flight management application built using Spring MVC, hibernate, & MySQL
- Used AJAX calls to perform client-side validation and to reduce bandwidth usage
- Users get email confirmation after booking and can download booking confirmation as PDF

Covid-19 Virus Evolution Simulator (Java, Genetic Algorithm, Java Swings)	**July 2021 - August 2021**

- Devised a Java simulator to map evolution of SARS-COV-2 using a **Genetic Algorithm**
- Simulated and charted the effect of virus on 4 human Genotypes by considering factors like human fitness, virus fitness, and Vaccine
- Enhanced the performance of the application by leveraging **multi-threading concepts**

NuFlex (HTML, Sass, JavaScript, React.js, Node.js, MongoDB, Express.js).	**March 2021- April 2021**

- Created a responsive course management web application built using MERN stack applying HTTP REST API for CRUD Operations and developed Robust Authentication using JWT and utilized CRYPTO-JS for password hashing
- Utilized Fetch API in making HTTP requests to fetch, update, display data at client-side
- Integrated to handle email feature, PayPal payment gateway, file upload and created custom video player.

MyLifeLine (Java, Java Swings, DB40).	**March 2021- May 2021**

- Built a Java based Application that connects a hospital with multiple pharmacies and blood banks within multiple networks (cities), with db4o database.
- Developed Robust Authentication with proper validation.
- Used Email feature where E-Mail confirmation will be sent to the patient after they have signed up.

***Baby Health Stimulator* (*Node JS, Express JS, MongoDB*)**	**November 2019 - March 2020**

- Spearheaded a full stack web application that assists pregnant women to track, maintain and improve their health using interactive questionnaire
- Remodeled a flexible schema using **MongoDB** to store and track health-related data of users
- Embodied **HTTP REST API** for CRUD Operations and applied MVC Architecture with Authentication & Authorization middleware using **Passport.js**