Sai Milind Tammisetti

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson School of Engineering and Applied Science
Master of Science in Computer Science **Expected May 2020**
Overall GPA: 3.49 /4.00

Fr. C. Rodrigues Institute of Technology, University of Mumbai, India
Bachelor's in computer engineering **May 2018**
GPA: 7.41/10.00

TECHNICAL SKILLS

Languages: Java, Javascript, NodeJS, React, Redux, ExpressJS, ImmutableJS, MustacheJS, PlotlyJS, HTML5, CSS, C, Python
Software and OS: MongoDB, Postman API, Heroku, Git, IntelliJ, VS code, Jupyter Notebook, Linux, Windows10, MS Office Suite

PROJECT EXPERIENCE

Chat App **January 2020 - Present**
- Developing a React and redux based application for users to send and receive text messages, images and videos
- Used NodeJS, ExpressJS and Axios to handle and perform HTTP requests and MongoDB as my NoSQL database
- Used JWT for authorization and secure transmission of user data and Redux for better application state management
- The theme for the entire application is being developed using MaterializeCSS and Ant Design framework

Know the Weather **February 2020**
- Designed and developed a web application in React to get weather data of any location at any given time
- Used OpenWeatherMap API to fetch the weather data and PlotlyJS to generate a temperature forecast graph
- Used Redux along with ImmutableJS for application state management

Sensor Data Query Service System **August 2019 - November 2019**
- Designed and developed a web application to perform CRUD operations on different types of sensor's data
- Used NodeJS and ExpressJS to handle HTTP requests and MongoDB as my NoSQL database to store the sensor's data
- Used MustacheJS a template rendering system to develop the UI for application by which users can easily query the data

Multi-Keyword Text Search Engine **August 2019**
- Designed and developed a search engine using java that can help the user find multiple keywords in each sentence
- Search engine can identify a text in a sentence even if it is a synonym for the given keyword
- Documented the code using JavaDocs

Student Course Backup System **July 2019**
- Designed and developed a backup system in java for students to backup their assignments given their course and id
- The user can add a course, search for a course and delete the backup of their courses

Multi-Threaded Merge Sort **July 2019**
- Developed synchronous multi-threaded application in java
- The application spawn's multiple threads to read, store and sort the data provided by the user

Sign Language to Speech Converter **August 2017 - May 2018**
- Developed an Arduino based flex sensor gloves which translates hand signs used by mute people to speech (audio)
- A classification algorithm was designed to translate these gestures into text & voice in real-time using Python and Serial C
- modularized functions for use in GUI (Tkinter)
- The system was tested for 10 English words with an accuracy of about 92%

CERTIFICATES AND PUBLICATIONS

- Successfully completed 52.5 hours of 2020 Web Development Bootcamp on Udemy **August 2019 - December 2019**
- Published a paper on "Gesture Glove for Sign Language to Speech Conversion" at 4th International Conference on "Innovation and Research in Technology and Engineering" conducted by IEEE Bombay **October 2017**
- Completed a course titled "Object Oriented Programming Using C++" under the academic council of National Institute of Information and Technology **January 2015 - May 2015**

VOLUNTEERING/LEADERSHIP EXPERIENCE

- Organized a seminar and workshop for the "Computer Society of India" **October 2016**