

Vishwajith Matad

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EDUCATION

Middle Tennessee State University, Masters in Computer Science, **GPA: 3.5 / 4** **Dec 2018**

- **Software Engineering:** Worked closely with actual client from Vanderbilt medical center to build a software tool which receives data from the walking stick and perform the analysis using recurrent neural network to produce 78% accurate prediction.
- **Software Design and development:** Design and Developed a neural network model using python, sat solver using python and prolog. Built both the client and server sides of a web-based app that provides sequence alignment as a service.
- **Parallel processing:** Here I learned how to make an application or a program faster using Threads, Open MP, Message passing interface and CUDA.

SDM Institute of Technology, Bachelors in Information Science, **GPA: 3.3/ 4** **May 2014**

SKILLS SET

Java, Python, C, C++, Node.js, Spring, Django, Flask, Pandas, HTML, CSS, JavaScript, Git, SQL, MySQL, Unix. Network protocol and socket programing.

Familiar With: Visual Studio, Eclipse, Pycharm, IntelliJ IDEA, Wireshark.

PROJECTS

Time Change, Murfreesboro, TN **Aug 2017 – Dec 2017**

- Worked with Development team of 5 members, to build a software tool that collect data from the walking stick and perform analysis using recurrent neural networks to produce 78% accurate prediction.
- My responsibility was to write a code to perform machine learning analysis on time series data and i was also responsible to develop a responsive web page for our application, I have used **python, Django, flask, html and JavaScript** to accomplish this. I have effectively completed all my assigned tasks; the project was success and it was delivered before the deadline.

Chat Application (Java) **Feb 2017**

- Design and Developed the chat application, using socket programming, UDP (datagram socket).
Technologies used: **Java, Java servlets, windows, eclipse.**

Focus – Web Application (Java Servlets, HTML, CSS and JavaScript) **Aug 2018**

- Design and Developed a responsive web application in which the users can easily maintain their personal task and management list. First, I designed the web architecture and style, next continued coding using java servlets to accomplish the responsive web page. Since the project is success I will be hosting it in a short time.

File Organizer (Python) **Sep 2016**

- Developed a python script to organize the large number of files into appropriate folders. Motivation behind this project was to organize my unorganized downloads folder, so I wrote a code in python to organize files according to file extension and group them all together. Now each time I download something it goes to the appropriate folder.

Honors and Achievements

Middle Tennessee State University, Murfreesboro, TN **Aug 2016**

- Received **International Student Merit Scholarship** of 8000 USD.

Teaching Assistant : **Aug 2016 – Present**

- Received promotion from working as a Grader for a professor to teaching a class.
- Received promotion from teaching one class to teaching two class.
- **My responsibility:** Design and give lectures on **C++, Data Structures, Web Development** and other computer fundamentals for undergraduate students. Along with giving lectures I also make sure that I write a **code in a way that is easy to comprehend** by non-technical person. As a result, my students can effortlessly read my code and understand concepts easily.