**Yash Sinha**

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**Objective**

Seeking a computer/data science internship which will utilize my previous work experience and skills

**Education**

Southern Methodist University, Dallas, Texas

**Bachelor of Science in Computer Science** (Grad Date- May 2023)

**Bachelor of Science in Statistical Science** (Grad Date- May 2023)

***~ Current GPA: 3.89***

# Skills/Certifications

IT Certifications: CompTIA Linux+ Admin Training, Machine Learning Certification offered by Stanford, Microsoft Office Professional (Excel, Word, PowerPoint, Outlook)

Computer Science Skills:

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| *Languages:* | **C++, Python,** Java, SQL(MySQL), HTML, MATLAB, R, SAS, SPSS |
| *Environments:* | **Git, Linux**, **Windows**, Anaconda, Test-Driven Development |

Related coursework: Software/Algorithms, Statistical Computing, Data Structures, and Machine Learning.

# Career History

**Experience:**

**Advanced Supply Chain Solutions (a GMC company) -** IS intern (Summer 2019)

Chat bot for corporate website (Python): developed and trained a feedforward neural network in python incorporating the TensorFlow framework to train responses based on basic questions and answers about the company, and used the NLTK as stemmer to derive the intent of the user to create a contextual chatbot.

**Selected Projects (**https://github.com/ysinha24**):**

* KNW Robot Competition: worked as a team to develop a robot that achieves certain functionality (sensor readings, navigation, and adaptability). Used the scrum methodology to complete certain deliverables within five sprints, efficiently planning and dividing work amongst members. Worked on coding in C++, electrical wiring, and the mechanical structure and ultimately placed first in the competition.
* Arduino Data Collection: used an Arduino microcontroller as an IOT device that transfers information regarding soil moisture and temperature to a remote MySQL database, and based on daily readings, can either water the soil or turn on a fan for an estimated duration.
* Handwriting Recognition in MATLAB: developed an effective implementation for a neural network to comprehend handwritten numbers and letters as an intro to machine learning.

**Associations/ Awards:**

* AWARDS: Discovery Scholar / SMU Provost Scholarship