Yash Hooda

713-534-5609 | [yash.hooda6@gmail.com](mailto:yash.hooda6@gmail.com) | [linkedin](https://linkedin.com/in/yash-h-384430242/)| [github](https://www.github.com/yashhooda1)

# Education

## University of Texas at Dallas Richardson, TX

*Bachelor of Science in Computer Science Aug. 2020 – May 2024*

# Experience

## Software Engineer Intern May 2023 – June 2023

*Parijat Controlware Houston, TX*

* Collaborated within a team to develop and optimize products using Programmable Logic Controllers (PLCs), ensuring high-quality and efficient solutions for clients.
* Gained hands-on experience with Object Detection techniques in Python, utilizing RoboFlow to implement advanced image processing and machine learning algorithms.

# Projects

Virtual TA Chatbot AI | *Python, Rasa, Node.js, Visual Studio Code, LLM* Feb 2024 – May 2024

* Collaborated with a team to resolve any issues and deadlines.
* Worked on the backend team, where I trained and implemented the training data to generate helpful intents for the chatbot such as events, galaxy, studentsuccesscenter, utdhistory, deanofstudents, chatbot greetings.
* Developed the team poster and delivered an effective presentation.

Library Search GUI Project | *Python, Tkinter, GUI* Oct 2023 - Nov 2023

* Extensively tested the interface by interacting with five randomly selected books
* Implemented features such as checkout and check-in functionalities
* Incorporated randomized browser data into the interface
* Collaborated with a team to resolve any issues and deadlines.

Stroke Prediction | *R, RStudio, Predictive Modeling, Exploratory Data Analysis, Data Visualization* Oct 2023

* Parsed a dataset of health patients from a hospital.
* Developed a predictive model in R using the Random Forest Algorithm to predict the risk of a stroke based on a variety of health factors.
* Visualized the data set to reach a targeted goal of reducing stroke in the patient population.
* Delivered an effective conclusion to the stroke risk study based on the data results.

Running Conversion Calculator | *Python, Visual Studio Code* Feb 2023

* Developed a Python program that calculates your running pace, distance, or time based of a current running time for a distance.
* Implemented a feature where a race time, training paces, and V02 max can be predicted based on previous running times and Jack Daniels V02 max formula.

# Technical Skills

Languages: Java, Python, C/C++, SQL, JavaScript, R

Frameworks: Node.js, Tableau

Developer Tools: Git, RStudio, Dev C++, Google Collab, VS Code, Visual Studio, Jupyter Notebooks, Microsoft Excel

Libraries: Pandas, TensorFlow, Keras, NumPy, Matplotlib, Seaborn, SciPy, Scikit-Learn, Tkinter, Rasa, MySQL Statistical Analysis: Hypothesis Testing, Regression, Time Series Analysis

# Certifications

* IBM Professional Data Science Certification | Coursera | 2023
* DeepLearning.AI Professional TensorFlow Developer Certificate | Coursera | 2024