Yash Hooda

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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 VO2 max can be predicted based on previous running times and Jack Daniels VO2 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