Sammy Hasan-Silva

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EDUCATION

Kennesaw State University **Graduation: May 2024**
Bachelor of Science in Computer Science
Coursework includes: Data Structures and Algorithms, Software Engineering Discrete Mathematics, Computer Organization and Architecture, Introduction to Database Systems, Machine Learning and Artificial Intelligence, Object Oriented Programming
Languages: Spanish (Native Speaker)

Relevant Skills

- 3+ years of Object-Oriented-Programming Development using Java
- 1+ Years of Python for Artificial Intelligence, Data Science and OOP
- Relational database design & development using Microsoft Access and SQL
- Data analysis and statistics using Python, R studio and Excel
- Created 4 Websites using JavaScript, React HTML, CSS and WordPress for Front End Web development

EXPERIENCE

Salesman, GNC June 2021- Present

- Initiated conversations with customers, built trust; asked questions about their fitness and health goals
- Listened carefully and solving customer's concerns so that they can make intelligence purchases
- Drove 20% increase in store's PRO membership sales through customer engagement, earning a performance bonus

Undergraduate Quantum Computing Researcher, Kennesaw State University, CCSE

- Read and Studied concepts from research papers on Quantum Networks & Quantum Entanglement
- Collaborated virtually with a team from around the world via Zoom
- Presented complex knowledge in a simplified manner with Google Slides

PROJECTS

Weapon Detection using Deep Learning & Transfer Learning April 2023

- Utilized Tensorflow Python API to create and train & compare VGG16, DenseNet, and ResNet152v2 models
- Optimized ResNet152v2 model accuracy to achieve 96% prediction accuracy
- Demonstrated that pretrained generalized models outperform models which are trained only on the dataset available

Titanic Prediction Model Personal Project February 2023

- Developed a Logistic Regression Model implemented in Python while utilizing Google Collaboratory
- Predicted probability of survivors based on specific attributes with over 90% accuracy
- Utilized Python libraries such as: Numpy, Pandas, and Sklearn to manipulate data

Hackathon for Social Good, Wellstar September 2021

- Led a team of 3 and created team vision and delegated tasks in an rational and efficient manner
- Re-designed UI for Wellstar mobile and desktop website to create a better user experience
- Presented changes to UI / UX to Wellstar judges on Microsoft Teams with MS Powerpoint

Divide & Conquer Advanced Sorting Algorithm April 2023

- Organized project with a Waterfall Development Cycle for my Software Development Methodology
- Implemented three advanced sorting algorithms (mergesort, quicksort, heapsort) in Java
- Conducted performance analysis of these algorithms on arrays of different sizes and population types and documented the performance formulas for each algorithm and provided analysis and discussion of their best, worst, and average case performance in the algorithm design block

TECH STACK & LEADERSHIP

Tech stack
Languages: Java, Python, HTML, CSS, R, JavaScript, SQL, C, C++, Ada, MARIE, JSON
Frameworks: WordPress, React Native, Replit, Google Colab, Jupyter Notebooks, React, TensorFlow
Developer Tools: Git, GitHub, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Xcode, Microsoft Access, Excel, R studio, PostgreSQL, GitHub Pages, VCS
Libraries**:** Panda, Numpy, Matplotlib, scikit-learn, Seaborn

Leadership
Python Data Science Organization (Founder)
KSU Salsa club (Founder & President)
Spirituality and Inner Engineering Club (Founder, President & Instructor)
Society of Hispanic Engineers SHPE - Software Committee