KHANH NHU NGUYEN
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EDUCATION

Lonestar College, Cypress, TX Spring 2023
Associate of Science in Computer Science
University of Houston, Houston, TX Spring 2024
Bachelor of Science in Computer Science;
Relevant Coursework**:** Data Structures and Algorithms, Computer System, Numerical Methods, Statistics

SKILLS

Expert in Python, C++, proficient in Java and Swift with extensive experience in both front-end and back-end mobile application development for iOS and Android platforms.
Proficient in handling supervised and unsupervised machine learning problems using PyTorch and TensorFlow libraries.
Experienced in crafting intuitive web interfaces utilizing HTML, CSS, and JavaScript.
Proficient in Microsoft Office Suite, with experience in data visualization and analysis using MATLAB.

ACTIVITIES

Project "Data Synthesis" Fall 2021
Participated in TAMU Datathon 2021

- Implemented a preliminary heat map of vaccination 3000 tweets related using Twitter API to gather Twitter Data from web-scraping and presented in form of heatmap using JavaScript.
- Authenticated our access to limit search geographical domain to the US using libraries on Python.

Project "Pizzeria" - Celonis 21 Challenge

- Predicted the net gains and loss of the purchases by replaced non-numerical values with a numeric label and ran our model using a separate label, and pushing data given into trees to make the machine learn to by using Random Forest algorithm. Accuracy of the prediction program was attained at 98%.

State Farm Healthcare Mobile Application Spring 2022
Participated in TAMU Hackathon 2022

- Designed an IOS application that using HealthKit API to monitor customer living habits. Using Statistic and Advanced Math to calculate the discount to reward good living behavior from the customer.

Project "Coog Clinic Database" Fall 2023
Group Leader for Database Project

- Developed a web application for a healthcare provider, streamlining scheduling, data access, and enhancing operational efficiency.
- Built distinct portals for doctors, nurses, and administrators, enabling effective schedule management, secure data handling, and improved patient care.
- Incorporated robust security features, ensuring secure user access and maintaining patient confidentiality.

WORK EXPERIENCE

Peer Tutor - Tutoring Center in Lonestar College CyFair. Spring 2022

- Volunteered tutoring Math- Chemistry I, II, Calculus I, II, III and Differential Equation.
- Worked as Peer Tutor in Tutoring Center in Lonestar College.
- Participated as Math Tutor for Exam Jam and Exam Cram for Final.

Student Technician - Biomedical Engineering in Texas A&M University Fall 2021

- Developed a Microscopy Portable Phone App with microscopy lenses.
- Non-invasive diagnostic imaging using Machine Learning on Android app. Building a portable video microscope to measure PT/INR levels at point of care using neural network supervised-learning algorithm.
- Predicted bacterial rates using image recognition and machine learning algorithm with given data from database.

ACHEIVEMENT AND CERTIFICATE

Won 2nd Place in AMATYC Student Mathematics League Contest.
Certificate of Congratulations and Recognition of Service-Learning Project in Lonestar College.