GIA NGUYEN

409-248-0146 | giaba6a2@gmail.com | Houston, TX | linkedin.com/in/gia-nguyen-053594246

EDUCATION

University of Houston, Houston, TX   May 2026
Bachelor of Computer Science
- Relevant Coursework: Database Systems, Computer Org & Architecture, Programming and Data Structure, Algorithms and Data Structures

TECHNICAL SKILLS

- **Key Skills:** Python, SQL, JavaScript, Node.js, TensorFlow, Keras, Flask, React, Docker, git, GitHub, Google Firebase, Jupyter Notebook
- **Languages:** Vietnamese, English.

PROJECTS

- **POSTAL OFFICE WEB APPLICATION (JavaScript, Node.js, SQL, React):** Implemented a robust package tracking system, allowing customers, employees to monitor packages with unique tracking numbers. Designed a streamlined customer management system. Developed an efficient employee management system, enabling easy addition, updating and deletion of customer recording.
  Technology used: JavaScript, Node.js, SQL, React
- **PLANT DISEASE DETECTION SYSTEM (TensorFlow, Keras, Flask, Python, Docker, HTML/CSS, git, GitHub):** Developed and robust CNN model trained on an extensive dataset for precise identification of various plant diseases. Created a user-friendly web application for real-time image upload and disease diagnostics. Enhanced model performance through advanced data argumentation and rigorous validation techniques.
- **U.S MEDICAL INSURANCE COSTS (Python, Matplotlib, Jupyter notebook):** Analyze a real-world dataset by building out functions and class methods to gain meaningful insight into the data. Utilizing data cleaning techniques to ensure the accuracy. Used Matplotlib to represent visual elements to help convey patterns, trends, and insights within complex sets of data.
- **MR. WISDOM AI CHATBOT (JavaScript, HTML/CSS, GOOGLE FIREBASE):** An intelligent context-aware chatbot (Natural Language Processing Tool Using Language Models). Used Google Firebase database to persist the chat, allowing the users to pick up where they left off after a refresh and give them the ability to refresh the chat.

EXPERIENCE

Honors College, University of Houston, Houston, TX
January 2024- Present
Technology Assistant
- Installed and configured new hardware, software, and networks, resulting in improved system performance and reliability
- Troubleshooting technical and operational issues
- Developed and implemented a user access control system that improved system security and prevented unauthorized access.

Department of Computer Science, Lamar University, Beaumont, TX
December 2022- May 2023
Student Technician
- Assisting students in resolving technical and operational issues.
- Configured hardware, devices, and software to set up workstations for employees and students.
- Created user accounts and assigned permissions. Performed software updates and routine maintenance on computers.

LEADERSHIP & COMMUNITY INVOLVEMENT

Society of Asian Scientists and Engineers (SASE)