

Murphy Amos

Phone: (832)-766-4817 | Email: murphyamos9@gmail.com

Education

Lamar University

Bachelor of Science in Computer Game Development

Expected Graduation: May 2027

GitHub.com/MurphyAmos

Relevant Skills: (*Proficient*): Python, Java, Windows (*Familiar*): Linux, C++, Blender. 3D-Modeling

Work Experience

Geek Squad: Consultation Agent – *Customer Support, Hardware & Software Services* 2024-Current

- Provided front-line tech support, including diagnostics, hardware repair, and software troubleshooting for various consumer devices.
- Performed operating system installations, data transfers, and initial setup for desktops, laptops, and mobile devices.
- Delivered in-store customer consultations for device optimization, repair estimates, and upgrade recommendations.
- Supported Apple and Windows systems, including integration with Best Buy internal tools and POS systems.

Projects & Experience

Network Reconnaissance & Vulnerability Tool – *Python, Nmap, Google Gemini API*

- Developed a modular command-line tool for automated network scanning and AI-assisted vulnerability assessment.
- Integrated ICMP ping, TCP/UDP scans (-sT, -sU), and OS detection using Nmap.
- Parsed scan results to extract open ports and system metadata.
- Used Google Gemini API to generate technical vulnerability summaries per port.
- Designed the tool for future extensibility into GUI or enterprise environments.

Automated Weather Logging Application – *Java, REST APIs, File I/O*

- Built a multi-class Java application to retrieve and log real-time weather data from the U.S. National Weather Service API
- Converted city input into geographic grid coordinates for accurate forecast queries
- Parsed hourly temperature data and logged it locally using Java's file I/O streams
- Enabled continuous background updates with modular and extensible code design.

Heart Attack Prediction Model – *Python, Scikit-learn, Pandas, Matplotlib*

- Implemented a decision tree machine learning model to predict heart attack risk based on clinical indicators
- Generated randomized test inputs and trained multiple decision tree classifiers for evaluation
- Visualized decision trees and tracked model accuracy across multiple runs
- Focused on interpretability and model explainability through plotted decision paths.
- Achieved 78% accuracy based on test data set and its features

Activities

- LU ACM, LU Game Development Club

2023-Current