AHNAF AHMAD

Bedford, TX 76022

📞 682-465-5002 ✉️ ahnafahmad0425@gmail.com ⌂ https://ahnafahmad.dev/

Education

University of Texas at Arlington **Aug. 2020 – May 2024**
Bachelor of Science in Computer Science *Arlington, TX*

Relevant Coursework

- Data Structure
- Database Management
- Machine Learning
- Object-Oriented Programming
- Artificial Intelligence
- Software Testing
- Secure Programming
- Robotics

Projects

REST API Input Validation | *Python, SQLite, Docker* **March 2023 - April 2023**

- Developed a REST API that validates inputs (name and phone numbers) using regex and stores valid inputs in a phone book.
- The API was developed using Python and the Flask library.
- The phone book used SQLite database to store inputs.
- Used Regex to validate inputs for GET, POST, and PUT Requests.
- Used Docker and Postman to test the API.

Car Rental Management System | *Python, Tkinter, SQL, MySQL* **November 2022 - December 2022**

- Developed a full-stack car rental management system to track and manage car rentals using a relational database.
- The front end was developed using Python's Tkinter library.
- The backend was developed using Python, SQL, and a MySQL Database.

Linux FAT32 File System Simulator | *C, Linux Virtual Machine* **April 2022**

- Developed a CLI project that mimics some of the functionalities of Linux FAT32 file system.
- Commands include: ls, cd, info, stat, read, get, del, undel
- Fully developed in C in a virtual linux development environment.

Natural Disaster Tracker Android App | *Java, XML, Android Studio* **January 2022 - May 2022**

- Designed and developed an android app that presents real time updates and tracking on 4 categories of natural disasters: wildfires, earthquakes, hurricanes, and volcano activities.
- Collaborated with three other students.
- Developed using Android Studio Code, Java, XML, Google Maps API, and NASA EONET API.
- Mostly handled the frontend of the application.

Simple Flash Study Card Program | *Java, Swing* **November 2021 - December 2021**

- Created a full-stack flash study card program that consisted of two functionalities: flashcard mode and game mode.
- The frontend was developed using Java and the Swing library.
- The backend was developed fully using Java.
- The core of the program utilized the concepts of polymorphism and inheritance.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, React, TypeScript, SQL
Developer Tools: VS Code, Eclipse, AWS, Android Studio, MySQL, SQLite, MongoDB, Docker, Postman
Technologies/Frameworks: Linux, GitHub, JUnit, Restful API

Certifications

AWS Certified Cloud Practitioner **Aug 2023**
Amazon Web Services (AWS)

Python Data Structures **2020**
Coursera: University of Michigan

Programming for Everybody **2020**
Coursera: University of Michigan

IB Diploma **2020**
International Baccalaureate