Niaz Baharudeen

267-577-0955 | niaz.al-rahm.baharudeen@temple.edu | linkedin.com/in/niaz-baharudeen | github.com/tuk05348

Education

Temple University Philadelphia, PA
Bachelor of Science in Computer Science *May 2024*

Experience

Undergraduate Research Assistant March 2024 – May 2024
Temple University *Philadelphia, PA*

- Annotated thousands of scientific flow charts and diagrams using Label Studio with true and false statements to train a machine learning model to generate its own and annotate original research conducted at the university

Teaching Assistant September 2023 – May 2024
Temple University *Philadelphia, PA*

- Held recitation for 25+ students to go over prior material, such as linear algebra, and administer quizzes
- Offered constructive, individually tailored feedback on student submissions to further facilitate learning

Certificates

Google Cybersecurity Professional Certificate December 2024

Projects

Cloud Resume Challenge | *AWS, Python, JavaScript, HTML, CSS, Github Actions* February 2025 – Present

- Developed a full-stack personal website to display my resume with an all-time count of visitors to the website
- Utilized AWS SAM to create a Lambda function to update the visitor count, a DynamoDB table to store said count, and a REST API to deliver the count to the front-end
- Implemented a GitHub Actions workflow to automatically run tests and deploy the AWS SAM infrastructure

BlastPad | *Raspberry Pi, React, Blockly, Flask, Github Actions* January 2024 – May 2024

- Coordinated using Scrum to build a handheld console to teach programming using blocks to represent code
- Developed the UI in React to display a Community Hub showing publicly shared games and a Classroom page for educators to manage student developed games and let students play each other's games
- Built the device using a Raspberry Pi and created the drag and drop code blocks using the Blockly framework
- Utilized GitHub Actions to automatically run tests and build the OS with necessary software preloaded

Superbrowser | *Android, Kotlin, Gradle, ViewPager2, Fragments* March 2024 – May 2024

- Built a web browser mobile application in Kotlin that uses Fragments to hold WebViews and supports navigation between tabs with swiping using a ViewPager2
- Allowed sharing of the current webpage to other applications such as Messages and Email by using Intents
- Implemented bookmarks for webpages that are saved and persist after application closure and restart

Phishing Email Detection | *Python, Pandas, NumPy, Scikit-Learn, Kaggle* April 2024 – May 2024

- Created an application in Python that detects phishing emails with a machine learning model that analyzes URLs
- Discovered the optimal model by comparing multiple techniques such as Logistic Regression, KNN, and SVM

Orthography Overlord | *Electron, Merriam-Webster API* November 2023 – December 2023

- Collaborated using Agile methodologies to create a desktop game using Electron and the Merriam-Webster API to teach users spelling by playing the audio of a word and challenging the user to spell it
- Devised an algorithm to determine the difficulty of a word to calculate the user's score after playing a word set

Technical Skills

Languages: C, Java, Python, Kotlin, JavaScript, HTML/CSS, SQL
Frameworks: React, Node.js, Electron, Flask, JUnit
Developer Tools: Git, VS Code, Android Studio, IntelliJ, Eclipse, AWS, Maven, Gradle, JIRA, tcpdump, Wireshark
Libraries: pandas, NumPy, Matplotlib, Scikit-Learn, PyTorch