

Niaz Baharudeen

445-309-7975 | niazbaharudeen@gmail.com | niazbaharudeen.com | linkedin.com/in/niaz-baharudeen | github.com/tuk05348

EDUCATION

Temple University

Bachelor of Science in Computer Science

Philadelphia, PA

May 2024

EXPERIENCE

Undergraduate Research Assistant

Temple University

March 2024 – May 2024

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

Temple University

September 2023 – May 2024

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 this 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