

# WALIYAT AFOLABI

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## SKILLS & CERTIFICATIONS

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**Technical Skills & Languages:** Python, Java, HTML5 and CSS, Javascript, React, object-oriented Programming, Linux/Unix Application Development.

**Development Tools:** IntelliJ, Visual Studio, FileZilla, Git, Wireshark, OpenSSL, Splunk.

## EDUCATION

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**University of Massachusetts, Boston.**

**Boston, MA**

Bachelor of Science: Computer Science and Mathematics

Sep 2020 - May 2024

- **Honor:** Dean's List, Alpha Lambda Delta.
- **Relevant coursework:** Data structure and Advanced algorithms, Theory of computation, Computer Ethics, Operating Systems, Computer Security, and Discrete Math.

**Boston Trinity Academy**

**Boston, MA**

High School Diploma

Sep 2018 - May 2020

**Codepath Intermediate Cybersecurity**

**Remote**

## TECHNICAL PROJECTS

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**Tech.Dive Project** | MERN Stack Web Application

- A web application for doctors to use to track patient information and assess patient condition with COVID-19 using their X-ray image.

**Issue Tracker** | Javascript

- Built a web application that can be used on any website for creating issues.
- Enhanced knowledge with the use of dependencies such as JQuery and Chance.

**Autocomplete** | Java

- Developed an auto-complete mechanism that sorts queries in lexicographic order.
- Integrated binary search to locate queries that start with a given prefix.

**Capture-the-Flag(CTF)** | Splunk Data Analysis

- Developed unique strategies to efficiently extract relevant data to use for analysis.
- Gained valuable insights into data interpretation and visualization

**Chef Selection Neural Network** | Python

- Implemented artificial neural network using Keras and Tensorflow to aid event managers in selecting chefs for future projects.
- Utilized a labeled dataset for training and testing.

## EXPERIENCE

**NSBE STEM Youth Camp** | Instructor Assistant

June 2023 – Aug 2023

- Support and motivate middle schoolers (ages 11 -14) to pursue an interest in the STEM field.
- Assist in teaching Robotics using mBot2, including designing, troubleshooting and providing guidance.

**Hack.Diversity** | Software Engineering Fellowship

Jan 2023 – July 2023

- Selected into 2023 Hack.Diversity SWE Fellowship, a career leadership and workforce development program integrating Boston's innovation, corporate, civic, academic, and philanthropic pillars.

**Primark Retail Associates**

June 2022 - Feb 2023

- Managed all retail duties, including cashier work, restocking, and customer communication.
- Maintain zero error with the POS system