

## **Tuntufye Kitwika Mwakalasya**

mwakalasyatuntu@gmail.com | 4043999109 | Miami, FL | [www.linkedin.com/in/tuntu-mwakalasya](https://www.linkedin.com/in/tuntu-mwakalasya) |  
<https://github.com/Tmwakalasya> |

### **EDUCATION**

#### **Florida International University**

Expected Graduation: May 2026

Bachelor of Science(B.S) Computer Science

**Relevant Coursework:** Programming 1 (COP2210 Google in Residence Program), Calculus 2 (MAC2312) , Discrete Math(MAD2104), Programming 2(COP3337)

### **PROJECTS**

#### **Corona Vaccine record(Java)**

September 2023

- Developed domain classes to represent patients and vaccination records, for tracking COVID-19 vaccination data.

#### **Bitbike(Python, Javascript, HTML, CSS)**

September 2023

- Developed a project to help people exercise and gain knowledge on Bitcoin simultaneously
- Contributed to API development integration into our website using the Google Maps API in Python
- Worked with a team of 3 as part of Shell Hacks 2023

#### **Blockchain Network Simulator(Java)**

September 2023

- Created a basic blockchain using Python to learn the fundamentals of blockchain technology.
- Developed a simple blockchain structure with blocks containing transaction data and timestamps.
- Used basic cryptographic hashing to secure block content.
- Established a chain of linked blocks to maintain a transaction history.
- Implemented unit tests using JUnit to verify every aspect of the blockchain worked as it should.

#### **PixelGate(Python, Tensorflow, OpenCV, Raspberry pi)**

October 2023

- Developed a project to help identify people at your door using machine learning algorithms and facial recognition with a Raspberry Pi acting as a camera.
- Implemented Delauney's triangulation and vectorization algorithms to map faces and store them on a vector database.
- Implemented custom SMS alert notifications to users using the Twilio API
- Worked with a team of 3 as part of HackHarvard 2023

### **SKILLS**

**Programming Languages:** Python(intermediate), Java(Advanced)

**Technologies:** IntelliJ, Pycharm, Git, Github

### **EXTRACURRICULAR ACTIVITIES**

Colorstack, Member

August 2023-Present

INIT FIU (Florida International University), Member

January 2023 - Present

Google Developer Student Club

August 2023 - Present

Shellhacks, Participant

September 2023

Hackharvard, Participant

October 2023