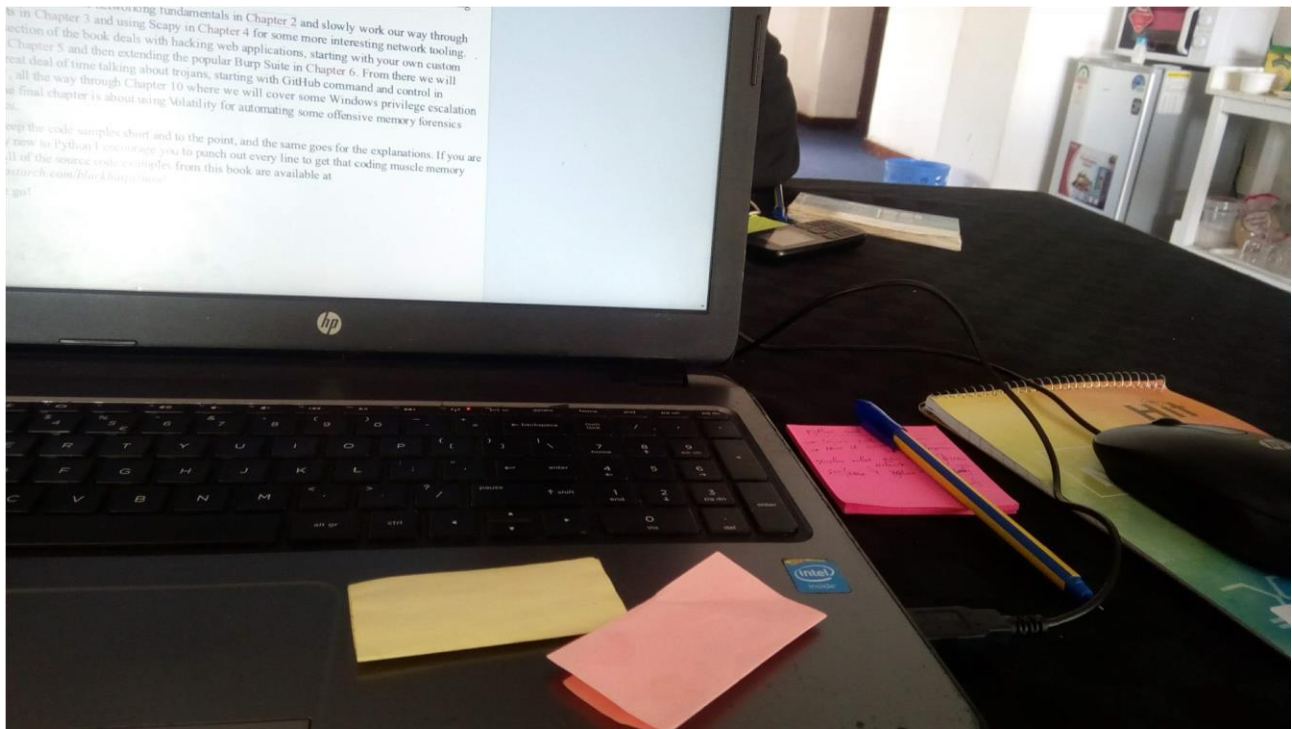


## MY EXPERIENCE JOURNEY.

I'm Ishmael Sirgoi Kipkoech and a computer science graduate, Pwani University 2019. My interest has always been in Web-development and Cyber security. However, as at the moment am taking a good time to really get deep into web development and other software development activities through collaboration.

## AS AN INTERN.

My internship experience at Swahili pot Hub - Mombasa started on May 19<sup>th</sup> 2019 and finished 10weeks later, leaving me with an immense amount of knowledge, learning experiences, and growing opportunities that I will forever appreciate.



My experience was based on hands-on-skills and learning since I was enrolled to CISCO networking Academy. My field attachment officer Mr. Chai in charge of ICT and networking provided a lot of support, guidance and moral support in order to really work smart and to be good in the field am working hard to be the best.

Mr. Briton Mwasaru, head of programming department, really coached making sure I always present on a topic every Thursday concerning cyber security, he was very clear when he explained that my job was going to be based on being a good guy in not only cyber security but also in the IT field as a whole.

During the 10 weeks, I can happily say I certainly covered all of the tasks Mr. Kelvin Chai mentioned and that now I have the experience and ability to understand many aspects referring to computer science and as well cyber security field.

**DUTIES.**

## Networking.

I enrolled to cisco networking academy where I gained a lot about networking from cabling to implementation of the designed networks from the academy.

Apart from just learning to crimp Ethernet cables, I got a chance to fix access points and cable them to the switch.

## II. Training.



As a cyber-security enthusiast, I was able to have a 2-hour session every week with my fellow attaché together with Swahili pot workers on cyber security randomly selected topics.

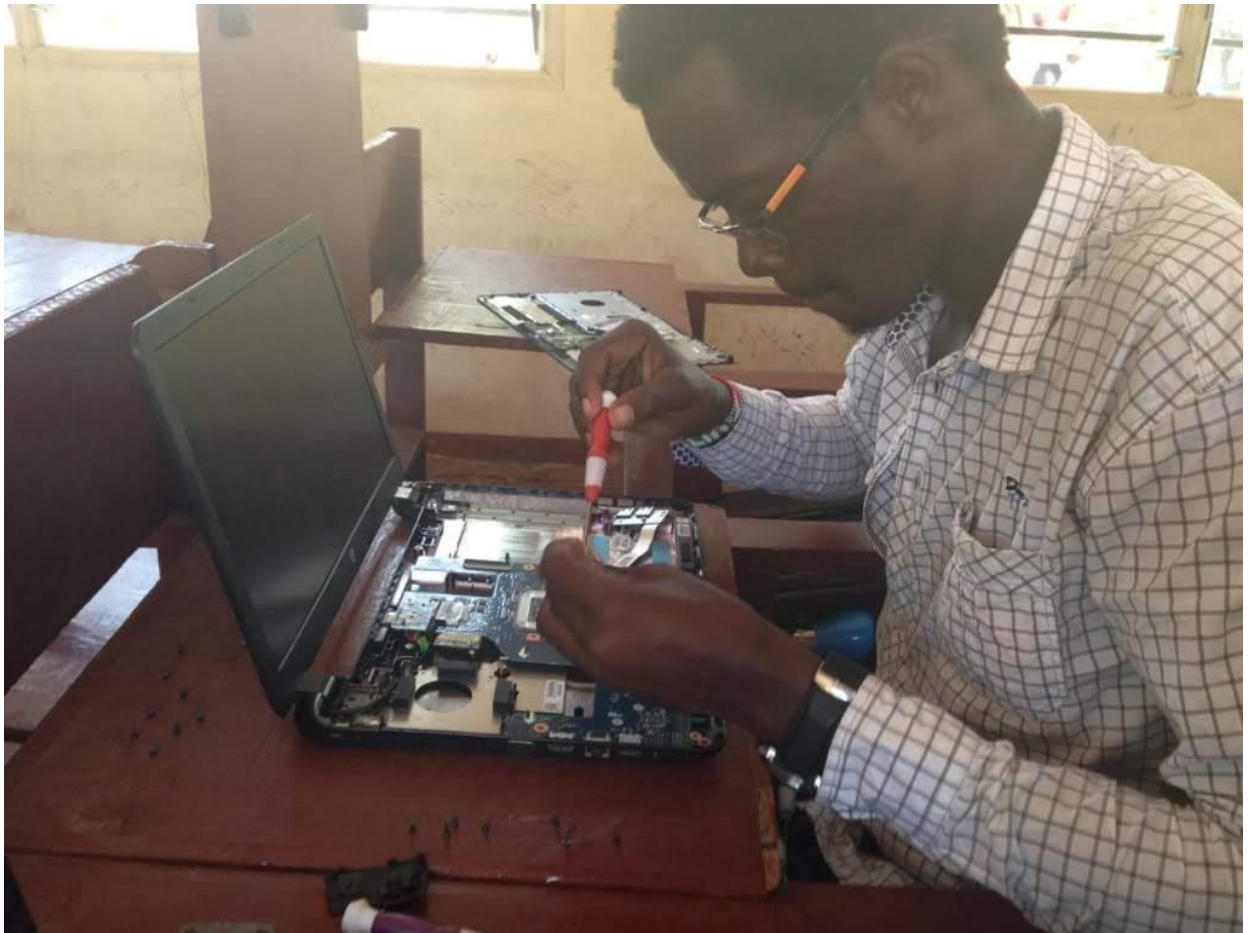
I successfully had a session on; *android phone penetration* where I could use a malicious apk file and fully gained access to a phone.

My job was to ensure that I have enough research on a topic of my choice before a presentation.

Apart from having the practical part, I had the theory part where I had a presentation on data security and how to cope with cyber-attacks.

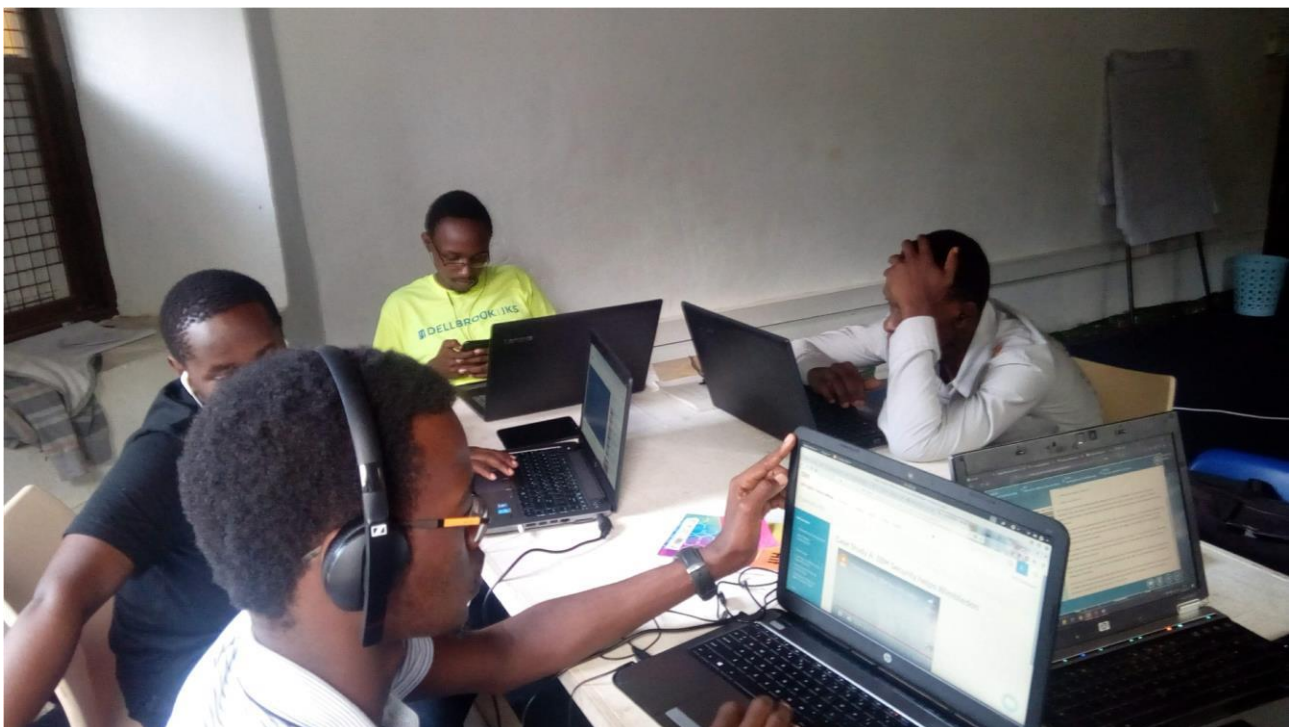
### III. PCs and Hardware maintenance.

I have always been so curious on how the motherboard of a laptop works and I met Patrick at Swahilipot Hub, he was very much willing to take me through each step from unscrewing to fixing and assembling back the laptops and the PCs.



## V. Programming.

With my fellow interns, we found out it was good to share our expertise in programming. We did much on python programming and Java.





## FORUMS AND LEARNING EXPERIENCE:

### I. AI and Machine learning.

Having taken Artificial Intelligence (AI) as a unit back at school, I was interested to meet people from AI Kenya and Mr. Babusi Nyoni (Co-Founder at Sila Health).

Babusi Nyoni had a tour to east-Africa and being at the techie hub was a high chance and opportunity to listen to what he has actually done.



### II. IPAY meet-up.

IPAY is a payment platform; I was so keen to learn how it is integrated to e-commerce websites.



### III. Dialogue.

Briton is a deep reader in IT field he could not hesitate to share what the world technology holds, how the big companies emerged, and how most of the companies really work to its excellence.

He is that person who really inspired me in every-day's activity, that even if you are busy, find time to at least grow your knowledge by knowing what as much as you can in the IT field and in your professional path.



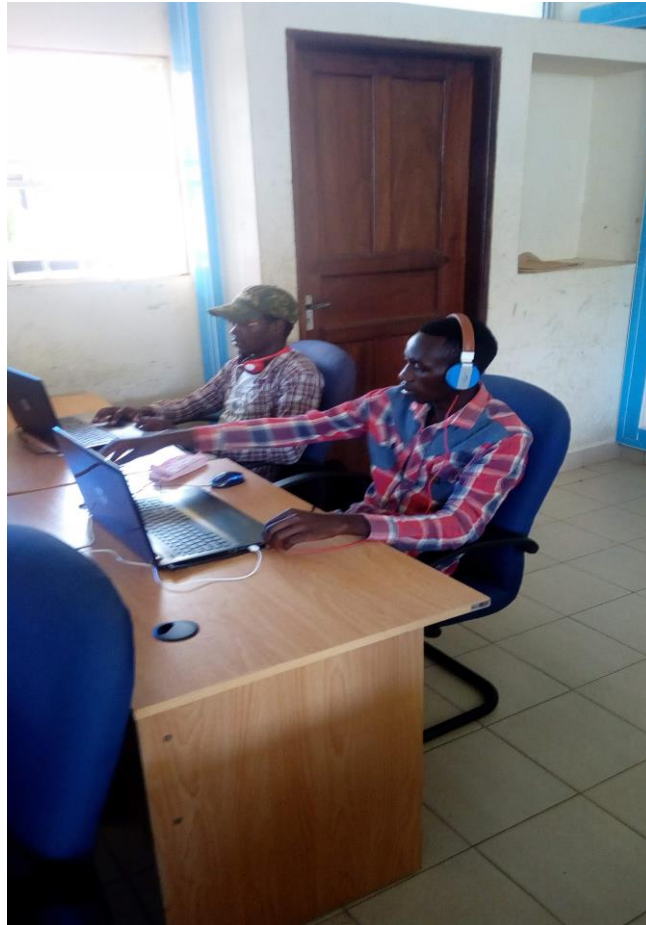
## **BOOTCAMPS AND SUMMITS.**

### **1. PWANI COMPUTER SCIENCE HACKATHON.**

This was an annual computer science student's normal activity whose aim was to help and create a motivation to the computer science students.

Amongst the activities include; Android development, Web-development and cyber security.

It was always a successful event since the skills I learnt have been using them in the day-to-day activities.



Being part of the students who are passionate in Tech always gave me a challenge to learn with them and always seriously take into practice what we learn.

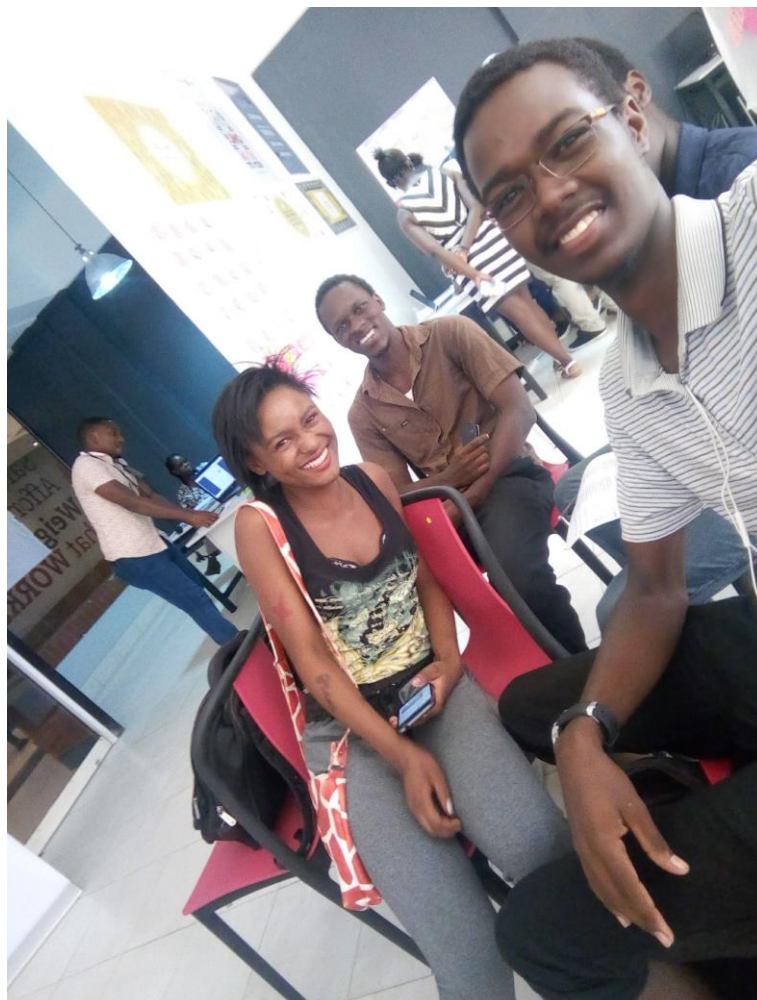


## **2. PWANI UNIVERSITY INNOVATION SUMMIT.(2018)**



The department of computer science together with school of business organized for an innovation summit for the university students to come up with innovative ideas based on the president's big four agenda. Together with my group, we came up with an idea on food security and defended it to Semi-finals.

## **3. TECHBRIDGE INNOVATIVE HUB – MOMBASA.(2018)**



Techbridge is an incubation hub located along Mombasa - Killifi highway.

Annually it hosts innovative boot camps in collaboration with investors where the best-pitched Idea wins and awarded a working space for the development of the product and funding.

#### **4. PWANI INNOVATION WEEK.(2018-DECEMBER)**



I learnt a lot from this event including idea pitching, scaling up the idea and so many diverse Tech-entrepreneurship.

#### **5. PWANI INNOVATION WEEK.(2019)**



Being an innovator in the field of technology gave me chance to always have a reason to smile in every innovative forum.



## 6. WORDPRESS BOOTCAMP.(2019 – Swahilipot hup)



It was a good learning experience since at the end I was able to develop and host applications designed using WordPress framework.