Month 3 Mayhem

In this month, things really started to heat up, like seriously!! (laughing emoji). The ICT sessions started with a bang having a total of 4 sessions in month 3. In addition to that, we also got a taste of interview preparation sessions. This was probably the most fruitful of them all as the first session contributed to me getting an offer of attachment after I aced the interview.   
However, progress became harder and harder at the start of the month, as I had to juggle between preparing for exams and maintaining progress in the sessions. The stress hit fever pitch as rejection after rejection emails flooded my inbox. So here we have KamiLimu, CATs and Exams and add projects if you wish, application rejections and a constant dread of the following day (Ouu Sharkeisha- add a box/div for the meme image)… So how did I manage?

Month 3’s sessions: (have divs for the 7 slots with expandable and retractable sections for the notes)

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| Session | Pillar | Notes |
| General Interview Preparation 1 | Professional Development | GENERAL INTERVIEW PREP 1:  Why?  Nurture Employability  Grow responsible Innovation  Enhance Learning Outcomes  Interviewer Feedback  - They look at:  - Demeanor and presentation  - Clarity of video and audio  - Confidence based on how they answer questions  - Attitude  - Problem solving skills (especially in technical interviews)  - Generic/well-structured answers  Use the Present - Past - Future Structure to answer the "tell us about yourself" question.  1. Present - Who are you now. Start with your current role, area of expertise, or what you're doing professionally. Mention any outstanding achievements or focus area.  2. Past: What experience brought you here? Briefly highlight your background and relevant past roles or experiences. Share one or two skills/strengths developed along the way.  3. Future: Why are you excited about this role you are applying for. Share what you are looking for next and why this role aligns.  Example:  I’m currently a university student pursuing [your course, e.g. Computer Science] with a strong interest in tech-driven problem solving and personal growth. I’ve recently been exploring areas like [e.g. project management, UI/UX, or coding], and I enjoy applying what I learn through class projects and online challenges.”  “In the past, I’ve taken part in group projects and volunteer roles where I developed skills in collaboration, communication, and leadership—even when working under pressure. These experiences have helped me realize how much I enjoy working on solutions that have real-world impact.”  “Joining KamiLimu is an exciting opportunity for me because I want to grow both professionally and personally—build confidence, connect with mentors, and refine the skills I’ll need to thrive in the tech space and beyond.  Before:  Research on the organization and/or the panel  Prepare your story (STAR method)  Practice common and behavioral questions.  During:  Speak clearly and confidently  Show your thought process  Taking Notes  Asking the panel questions- should show curiosity, should show your research on the program, role  After  Reflect  Ask for feedback |
| ICT Training 2- Networking Basics and Active Directory | ICT | (I didn’t have any notes from the session but you can refer to tryhackme.com and get some short notes from the Active Directory and Networking Essentials sessions) |
| ICT Training 3- Offensive vs Defensive Tools | ICT | Offensive vs Defensive Tools  Offensive- known as the "red team", they work to find bugs in technology (Governance)  Defensive- known as the "blue team", they work to protect against the bad guys (Forensics/Incident Response)  The world of cybersec Channels:  IoT, Quantam  API, Wireless  Web/Mobile, Hardware  Network, Enterprise  Blockchain, Cloud/AI/ML securities  How do you "break" channels?  How do you protect your assets from being broken?  Offensive  - Reconnaissance and Information Gathering: How do you know where you are and what is available for attack?  tools: nmap, wfuzz/gobuster/dig/ping  - Exploitation: Find and attack weaknesses identified within the asset  tools: burpsuite, hydra, metasploit, netexec  - Post exploitation: cover your tracks, hide or reporting for "white hat" hackers  tools: AMSI bypass      Defensive:  - Detection/Information gathering: finding the breach and assessing logs and data for how this was done  tools: SIEM, Wireshark, EDR tech, IDS/IDP  - Analysis and Containment: Understand the fill scope of the breach and isolate the system/app.  tools: Forensics, VirusTotal, ACL (block lists)  - Treatment, recovery and restoration: Locking down the malicious activity and removing it from systems  tools: backup and restore tooling    SIEM: is a series of processes through which data from computer event and activity logs is compiled, monitored, and analyzed  New concepts: how IoT devices are hacked, crowdstrike, jam experiment  Labs:  https://tryhackme.com/room/offensivesecurityintro (first in-class lab)  https://tryhackme.com/room/defensivesecurityintro (Second in-class lab)  https://tryhackme.com/room/breachingad (bonus in-class lab) |
| ICT Training 4 | ICT |  |
| General Interview Preparation 2 | Professional Development | General Interview prep 2 - Collins, Nyevu and Sam  - go do research about the organization  - go look into the JD  - go look at the profiles of your potential interviewers  - go practice the frequently asked questions  - tailor you CV for that particular role    5 most frequently asked questions:  1. Tell me about yourself  - IT should always be in line with the role you are applying for  2. What are your strengths and weaknesses (things that would prevent you from being an active contributor)  - Relate to some of the keywords used in the JD  3. How do you handle pressure?  - Avail yourself for extra hours  - Breaking down the task in question  - Prioritizing what needs to be done  - Staying calm in heated moments  4. Where do you see yourself in x years?  - Always respond by saying you wish to grow in that company even if you don't want to stay there.  - Sometimes, you can say "I see myself in your position/job"  5. Do you have any questions for us?  - Always have one  - Do you have learning opportunities for juniors?  - What is the typical onboarding process?  - What do you need from me to see to know I'm the right person for this role? |
| Introduction to Human Centered Problem | Innovation | Introduction to human centered problem identification - Beryl  Why is KamiLimu an innovation?  Innovation metric  1. Address a need  2. Creates a value- Upskills on competencies not offered in curricula  3. Feasible- Well situated in the Kenyan education space  4. User-friendly- Complements classroom learning, gender-inclusive.  5. Sustainable- Competent skills always in-demand  6. Scalable- Increasing demand in what it's offering  What makes a problem worth solving?  1. RELEVANT- Where users have inadequate solutions or levels of frustrations are high, with significant impact on the customer's life.  2. SOLVABLE- Available resources and time, no regulatory restrictions and social acceptance  3. MARKETABLE- Profitable, visible impact, investments and resources yield results  How to identify problems (6 ways)  1. Trends  2. Observation  3. Potential End Users  4. Deficient Solutions  5. Creating artificial problems  6. Choose a problem worth failing at- not every solution solves the problem completely  How do we define a problem?  We use the 5 Whys?  ex: Power outages? Why1? Why2? Why3? Why4? Why5?...  The idea behind 5 Whys is that by the time we get to that 5th one, we would have specified the problem much better  If the last Why cannot be answered, we roll back to the previous one.  It's in that last why where we evaluate if the problem is worth being solved.  \* My Problem: Missing Marks  1: Lecturers lose papers  2: Rushing to mark papers at the end of the semester  3: They are not comfortable with paperless exams, they did not take time to teach well  4: High rates of cheating, Unfamiliarity with good exam sites, not motivated to teach well, lack of knowledge on how to teach  5: Very many technologies that can be used for cheating, not  Crafting a problem statement  A problem statement summarizes a challenge (the general problem) you want to resolve, its cause (the specific problem), who it impacts (specific target group), and why it’s important to solve it.  Refining a problem statement  1. By collecting more information or data from trends, users, observations...  Mentee task: For a problem you had defined earlier, craft a problem statement  resources: https://x.com/AlexReibman/status/1891809083411320913?t=duUJNIbnULUw-GIQ\_pCVEg&s=19 |
| General Meeting 1 | Community Engagement | Areas of improvement  Improve the content understanding to at least 80% by the end of the cohort by closely implementing the theory-show and tell-hands on model  Improve applicability of lessons to academic learning and career to at least 90% by providing clear pathways for application, implementing through peer mentorship discussions.  Improve support to real-world application by closer follow up and debriefing for those who apply.  Improve sharing of ICT session materials.  Preparing for competitions  Professional development- Resume and References submission (3 rounds)  Personal Development- Public Speaking (4 rounds)  Scholarship writing- essays, MCQ quiz, presentation, creative deliverable (4 rounds)  Innovation and ICT- (5 rounds)  TIPS:  seek a lot of support  give your best  get ready for feedback  please read the instructions |

Looking back at month 3, it’s safe to say it was the most stressful month so far in KamiLimu. The tag team of KamiLimu, applications and School was one to remember!! (laughing emoji).

But did it pay off in the end? It definitely did. I managed to ace the interview I had for an attachment application I did a day after our General Interview prep 1. I managed to complete all the class projects and assignments on time using the chunking and pomodoro techniques. I embraced the suck never complained when I got the stick instead of the carrot (if you know you know “wink emoji”). In the end, I am proud for finishing the month on a high!!  
  
Memorable quotes from the month:

“I would rather you buy an analog watch than a Fitbit/digital watch”- Brenda

“Use the past-present-future structure when asked to talk about yourself” - Nyevu

“I installed a Kali Linux VM inside my Kai Linux OS” - Mitchelle

“Be afraid if you get to your destination un-bruised” – Mark

“\*ADD ONE MORE” –