



# Guaranteed Work Experience For an Unbeatable Advantage

Virtual Internships

End of Programme Report for:

Kutloano Moshao  
Sokul Automation  
Botho University





## Cloud computing and IoT Summer Internship

Sokul Automation

### Program Outcomes

**Would you recommend  
VI to friends or family?**

10/10

**Employment at the  
End of Program**

Not offered future  
employment/ extension  
of internship

**Employment  
Status**

Not Employed Nor  
Currently Seeking  
Work

### Student Reflected Skills Gain

✓ **What skill or area did you improve in?**

Collaboration skill

✓ **What aspects of your internship are you proud of?**

- Successfully Developing a Greengrass Component: I contributed to creating and testing a component that downloads files from an S3 bucket, which demonstrated my ability to integrate cloud services with edge devices.
- Overcoming CLI Setup Challenges: We faced difficulties setting up the Greengrass CLI, but through teamwork and persistence, we successfully resolved the issues, showcasing my problem-solving skills and collaboration with my supervisor.



### Student Reflection

- Worked with AWS IOT Greengrass services
- Created and developed components
  - Created S3 buckets
  - Worked with core devices
- Learned about policies and permissions
  - Learned about EC2 instances
  - Learned and advanced my skills in cloud computing
  - Learned Python Language

### Supervisor Feedback

✓ **What were the best qualities Kutloano demonstrated during the internship?**

Moshao was a natural leader on his team and also the strongest when it came to technical abilities and effort. Good troubleshooter. Determined. Persistent. Moshao saw his opportunity to be a leader without any prompting and he positioned himself so that he was the most effective person on the team.

✓ **What areas of improvement could Kutloano continue working on?**

I can only recommend that Moshao refine his already good professional skills. He at times can become attached to his way of doing things and can struggle when there are differences of perspectives. He maintained a polite and professional presence when this comes up and I want to say that he is already well above average in this regard, but there is room for improvement.



### Supervisor Feedback

It was a pleasure working with Moshao. I hope to maintain contact with him and am excited for his future. I believe Moshao has the developing skill sets and charisma to someday lead engineering teams. He has a bright future.



# Skills Gain & Assessment

To what extent do you demonstrate	Participant		Supervisor	
	PRE	POST	PRE	POST
Career & Self-Development	3.7	5.7	5.0	6.0
Critical Thinking	4.3	6.7	5.0	6.0
Communication	4.3	6.3	5.0	6.0
Global Fluency	6.3	6.7	5.0	6.0
Leadership	4.3	6.7	5.0	6.0
Professionalism	3.0	6.0	5.0	6.0
Teamwork	4.0	6.3	5.0	6.0
Technology	4.0	6.3	5.0	6.0
Equity & Inclusion	3.7	5.7	5.0	7.0

Never	Little Extent	Some Extent	Moderate Extent	Above Average Extent	Great Extent	Always
1	2	3	4	5	6	7



# Detailed Explanation

## Career Management

Defined as an intern proactively developing oneself and one's career through continual personal and professional learning, awareness of one's strengths and weaknesses, navigation of career opportunities, and networking to build relationships within and without one's organization.

## Critical Thinking

The intern's ability to identify and respond to needs based upon an understanding of situational context and logical analysis of relevant information.

## Communication

The intern's ability to clearly and effectively exchange information, ideas, facts, and perspectives with persons inside and outside of an organization.

## Global Fluency

The intern's ability to demonstrate openness, inclusiveness, sensitivity, and the ability to interact with all people and understand cultural differences.

## Leadership

The intern's ability to recognize and capitalize on personal and team strengths to achieve organizational goals.

## Professionalism

Knowing work environments differ greatly, understand and demonstrate effective work habits, and act in the interest of the larger community and workplace.

## Teamwork

When the intern builds and maintains collaborative relationships to work effectively toward common goals, while appreciating diverse viewpoints and shared responsibilities.

## Technology

The intern's ability to understand and leverage technologies ethically to enhance efficiencies, complete tasks, and accomplish goals.