

# ONALENNA KETSHABILE

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## CONTACT INFORMATION

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**Github:** [www.github.com/onalenna-ketshabile](https://www.github.com/onalenna-ketshabile)

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## SUMMARY

I am a results-driven IT enthusiast with a strong background in Computer Science, Software Development, and Cloud Computing. Recognized for technical proficiency and a passion for exploring the intricate facets of IT. Dedicated to integrating robust security measures across organizational infrastructures. Currently pursuing an honors degree in Computer Science with a concentration in Cybersecurity, poised to leverage comprehensive technical skills to excel as a Cyber Security Professional, particularly adept in Penetration Testing.

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## WORK EXPERIENCE

### Network Support Engineer , Cell C (Contractor)

October 2023 - Present

- Offer comprehensive support for two key projects: WifiCalling and SMSC.
- Investigate and resolve subscriber issues related to messages and calls at the network level using linux.
- Compile daily reports and monthly KPI reports for both projects to facilitate operational insights for Cell C.
- Enable MSISDN provisioning within the Wi-Fi calling system
- Create and configure SMPP accounts, and allocate Short Codes/MSISDNs to these accounts.
- Monitor the performance of SMPP accounts and services to identify those with the highest contribution to status codes.

### IT Intern, Atos Pty Ltd

April 2023 - Present

- Collaborate closely with IT administration to provide comprehensive IT support for internal staff.
- Offer assistance to employees in tasks such as password resets, laptop setups, and other technical issues.
- Engage closely with the HR team to aid in various administrative tasks.

*Notable Attribute: Recognized for consistently delivering results and getting the job done effectively.*

### Apprentice , Accenture and UJ Collaboration

March 2023 - April 2023

- Enhance proficiency in JavaScript, Python, and Machine Learning for Web Development.
- Execute coding assignments to demonstrate mastery and understanding.
- Participate in daily stand-up meetings, engaging in discussions centered around coding algorithms and techniques.

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## EDUCATION

### Bachelor of Science Honors in Computer Science

Feb 2023 - present

University of Johannesburg

- Specialization in Cyber Security.
- Course Work: Information Security, Ethical & Legal Aspects of IT, Computer Forensics, Information Security in the WWW, Network Information Security, New Systems Development Paradigms, Information Security Risk Analysis

### Bachelor of Science in Information Technology

Aug 2015 - Aug 2019

University of Johannesburg

- Completed with an average of 76%.
- Specializing in Computer Science and Informatics (Software Development).
- Course Work: Informatics, Computer Science, Mathematics (Calculus, Applied Math, Linear Algebra, Discrete Math, Abstract Math).
- Awards Rewarded: Artificial Intelligence in the 4IR (SLP), Amongst Top 10 Performers in Informatics for the first semester of 2020 and 2021, Top 10 Overall Performers for the first semester of 2020.

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## PROJECTS

- **Internet Speed Test Using Python:** Developed a straightforward program that measures the download and upload speed of the connected internet.  
[Check project on Github](#)
- **Password Strength Checker Using Python:** Designed a program that evaluates the strength of a user's password by ensuring it meets specific criteria.  
[Check project on Github](#)
- **Simamisa:** This was my final year project during my undergraduate studies. It garnered attention from esteemed organizations such as Boxfusion. The project aimed to create a unified platform for orphanages to streamline communication, sponsorship, and donations. While my primary role was as a front-end developer, I also contributed to backend development and mobile development due to the workload associated with the project.  
[Click here for Mini Presentation](#)

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## ADDITIONAL INFORMATION

- **Technical Skills:** Linux Administration, Telecom, Scripting (Bash), Python, Java, Web Development (HTML, CSS, JavaScript, React), API Development and Integration, Cloud Computing (AWS, Azure)
- **Non-Technical Skills:** Communication, Problem-Solving, Attention to Detail, Time Management, Teamwork
- **Languages:** English, Tswana
- **Certifications:** (ISC)<sup>2</sup> Certified in Cyber Security, AWS Cloud Practitioner, Microsoft Certified: Azure Fundamentals, TryHackMe Advent of Cyber