MINZEMALULU, GABRIEL D

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OBJECTIVE

As a third-year computer engineering and IT student at the University of Dar es Salaam, my career goal is focused around the Fields of Software Engineering and Data science with a focus on utilizing technology to solve complex problems. I bring intermediate experience in software development currently with experience in both Front-end and Back-end, and intermediate level knowledge in data science with relevant certificates in the data science fields where I am currently finalizing my Machine Learning Training at Tanzania Data Lab (dLab). With analytical and problem-solving skills, ability to learn any new technology and implement within a short time, and passion for technology and innovation, I am eager and willing to apply my skills and knowledge to a position that allows me to grow as a Software Engineer and Data Scientist and make a meaningful contribution.

SKILLS

Software Development: Proficient in both Front-end and Back-end development with hands-on experience using languages such as Python, Java, JavaScript, and related frameworks (e.g., React, Next, Django, Express).

Data Science: Intermediate knowledge in data science, including data analysis, machine learning, and data visualization, with relevant certificates from recognized institutions.

Problem Solving: Strong analytical and problem-solving skills honed through academic projects and practical experiences.

Design Tools: Skilled in using design tools such as Canva and Figma for creating visually appealing user interfaces and graphics.

Communication Skills: Fluent in both English and Kiswahili, with good written and verbal communication abilities.

EDUCATION

November 2020 - Present

Currently a Third Year Student, BSc. Computer Engineering and IT, University of Dar es Salaam (UDSM).

2018-2020

Advanced Level Education, St. JOSEPH'S CATHEDRAL HIGH SCHOOL, Dar Es Salaam, Tanzania.

Major: PCM (Physics, Chemistry and Mathematics).

2014-2017

Ordinary Level Education, MARIAN BOYS' HIGH SCHOOL, Pwani, Tanzania.

2007-2013

Primary School, MUGINI ENGLISH MEDIUM NURSERY AND PRIMARY SCHOOL, Mwanza, Tanzania.

EXPERIENCE

TANZANIA DATA LAB (dLab)

Trainee, Data Science and Machine Learning | July 2023 to September 2023

Attended an intensive machine learning boot camp focused on Python data visualization, exploratory data analysis (EDA), machine learning, model development, and deployment.

Collaborated on a Net Asset Value Forecasting Project, tasked with forecasting the Net Asset Values of various schemes within the UTTAMIS organization for the next 6 months.

Applied machine learning algorithms and data analysis techniques to develop accurate forecasts and gain practical experience in real-world data science projects.

HABARI NODE Plc. MWANZA

Intern, Network installation and Software Development | July 2022 to September 2022

Worked as a Network Installation Specialist, specializing in various types of networks including wireless and fiber networks for homes and offices.

Worked on server configurations for different network access points of the company, gaining experience in configuring servers to optimize network performance and Analysis of data usage.

Conducted network troubleshooting on various operating systems including Mac OS, Windows, and Linux, becoming proficient in network troubleshooting on multiple platforms.

Gained valuable experience as a software developer during server configurations by learning how to operate on the terminal using commands, thus improving my proficiency in Linux-based operating systems.

YOUTH FOR CHILDREN INNOVATION HUB (Y4C).

Trainer, Design Thinking Trainer | Feb 2023 to April 2023

Trained for a week on teaching practices and working as a team with other trainers.

Taught and developed various prototypes for various systems that were solutions to various problems.

Utilized problem solving skills during training the students to themselves be able to solve challenges in the society via critical thinking and problem-solving skills.

BUGANDO MEDICAL CENTRE (BMC).

Intern, Telecommunication and networking | July 2021 to September 2021

Worked with LAN (Local Area Networks) around the Hospital, gaining experience with network installation for both Computers and CCTV cameras.

Worked as Web Developer Using the Bootstrap framework, developing a Trainees website for The IT department of the Hospital.

Worked As Database Designer Designing A database for the Trainees Website To store the details of all the trainees the department will always get.

Worked with the design Unit in all the required designs and assigned designs.

Worked as a computer maintenance specialist troubleshooting computers, printers, CCTV cameras, UPS (Uninterrupted power supply) and many other devices.

VOLUNTEERING EXPERIENCE AND LEADERSHIP

Volunteered as A trainer for the **SMART GIRLS IN ICT Program 2023**, where I taught in a total 3 schools in Dar Es Salaam with a sum of more than 15 classes in total.

PROJECTS

PORTFOLIO: Gabriel-Portfolio
GITHUB: https://github.com/Gabriel-Dee

ACHIEVEMENTS AND AWARDS.

Digital Solutions for Building High-Value Health Systems in Latin America Hackathon.

- Organized by the Health Systems Innovations Lab at **Harvard University**
- Dates: April 20th to April 21st, 2023.
- Worked in a diverse Team with People of various Skills and backgrounds.

Filecoin Hackathon.

- Organized by **Tanzania ORBIT COMMUNITTY.**
- Runner-up, Blockchain Project on Funds and Charity
- Dates: November, 2023.
- Worked in a diverse Team with People of various Skills and backgrounds.

AR/VR Africa Hackathon

- Organized by **ONA STORIES TANZANIA.**
- Dates: November, 2023.
- Worked in a diverse Team with People of various Skills and backgrounds

Y4C (Youth for Children) Practical Training.

- Awarded for finishing a year at Y4C working on a Child Stunting Project by **AMRE**F and also participating and winning in Two Y4C hackathons in the span of the year.
- Dates: July, 2022 to July 2023.
- Participated in Research and Brainstorming activities finding optimal solutions to the problem.
- Worked in a diverse Team with People of various Skills and backgrounds.

CERTIFICATES

Harvard Hackathon Certificate.	Kaggle Courses Certificates (5).	CSCU (Certified Secure Computer User) Certificate.
Y4C Hackathons Certificate (2).	Dataquest Certificates (2).	ML Bootcamp dLab (Soon).
Y4C Practical Training Certificate.	Design Thinking Certificate.	

HOBBIES

Soccer (Watching and Playing).

Programming.

REFEREES

Dr. HELLEN MAZIKU

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