CONTACT ME

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Ambala, Haryana, India

AREAS OF EXPERTISE

- **Medical equipment troubleshooting and repair:** Leverage strong analytical skills and technical manuals to diagnose and resolve malfunctions in aircraft electrical and electronic systems, ensuring efficient troubleshooting and minimizing downtime.
- **Equipment calibration and maintenance:** Proficient in performing preventive and corrective maintenance procedures on aircraft systems, ensuring equipment functionality and adherence to safety regulations.
- **Effective Communication and Teamwork:** Possess excellent communication skills for clear and concise information exchange with colleagues and superiors, fostering a collaborative work environment within the maintenance team.
- **Problem-Solving and Root Cause Analysis**.
- **Adaptability and Continuous Learning:** Thrive in a fast-paced environment, readily adapting to new technologies and procedures associated with any system maintenance.
- **Organizational Skills and Decision-Making.**

DALISON KUMATSO CHIMCHERE

BIOMEDICAL ENGINEER, ELECTRONICS ENGINEERING STUDENT

PROFESSIONAL STATEMENT

A highly motivated and detail-oriented engineering student with a combined background in Biomedical Engineering and Electronics & Communication Engineering, seeking an Aircraft Trainee Technician position at SIA Engineering Company. My passion for aviation, coupled with a strong foundation in mechanics, materials, and electronics, fuels my desire to contribute to the safe and efficient operation of aircraft. I am a quick learner, eager to acquire the necessary knowledge and skills to excel in this program and become a licensed aircraft engineer. My strong analytical and problem-solving abilities, combined with a collaborative work ethic, make me a valuable asset to your team. I am ready to relocate to Singapore and take the challenging opportunity for a career in Aerospace Industry.

WORK EXPERIENCE

Voluntary Biomedical Innovator

Malawi University of Science and Technology • Malawi • May, 2020 – July, 2020

- Led research initiatives to design and implement a cost-effective oxygen concentrator, reducing production costs by 20%. This innovation addressed the critical shortage of oxygen concentrators for COVID-19 patient care.
- Developed user surveys to gather expert insights for informed project development on Oxygen Concentrator.
- Created and distributed protective face shields, increasing production by 500 units/day, to enhance the reduction of COVID-19 transmission rates.
- Authored and presented a comprehensive final report on project outcomes, ensuring clear communication of findings to stakeholders.

Biomedical Engineer Intern

Kamuzu Central Hospital (KCH-PAM) • Malawi • April, 2019- August, 2019

- Performed preventive and corrective maintenance on 57 medical devices, ensuring uptime significantly, minimizing disruptions to patient care.
- Developed and delivered comprehensive training sessions on medical devices to nurses, clinicians, and doctors, improving user competence by 21%, reducing the risk of human error.
- Installed and commissioned 8 medical devices, optimizing healthcare service delivery.
- Managed an up-to-date inventory of hospital equipment, facilitating efficient asset management, which reduced equipment downtime by 17%.
- Implemented quality management protocols, contributing to COHSASA accreditation.

LANGUAGES

- English- Advanced level

PROJECTS

- Designing of RFID based smart attendance system in 2023
- Designing oxygen concentrator and integrating oxygen analyzer in 2020
- Noninvasive near infrared blood glucose monitor in 2019
- Designing drug mixer for pharmaceutical industries in 2018

PROJECTS

- Volunteering and service learning
- Sports and fitness

EDUCATION & CREDENTIALS

Bachelor of Technology in Electronics and Communication Engineering

Maharishi Markandeshwar University, Mullana-Ambala, Haryana, India

Graduation: April, 2025

Coursework: Engineering Mechanics, Manufacturing Process, Analog Circuits, Digital System Design, Computer Organization and Architecture, Electromagnetic Field Theory, Digital Signal Processing, Microprocessors & Microcontrollers, Signals and Systems and Network Theory.

Bachelor of Engineering Biomedical Engineering

Malawi University of Science and Technology, Blantyre, Malawi.

Graduation: May, 2021

Coursework: Applied Mathematics, Applied mechanics and kinetic Theory of Gases, Electrical Circuits, Safety Health and Environment, Physics(I to IV), Strength of Materials, Thermodynamics I, Biomechanics, Maintenance of Medical devices, Engineering Design and Manufacturing, electrical Machines, Biomedical instrumentation, Control systems (I and II), Biomaterials and Artificial Organs etc.