

SALMA JOAN JUDITH PELESI

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EDUCATION

UNIVERSITY OF ZIMBABWE

ZIMBABWE, HARARE

- Bachelor of Science Honours Degree in Hardware Engineering
Degree Class: Second Class Upper Division (2.1) AUGUST 2020 - JUNE 2024
- Diploma in Applied Information Technology, Hardware Engineering
Grade : Distinction (1.1) FEBRUARY 2017 - AUGUST 2018
- Certificate in Applied Information Technology, Hardware Engineering
Grade: 2.2 MARCH 2017 - NOVEMBER 2017

BINDURA STATE UNIVERSITY

MASTERS IN SCIENCE DATA SCIENCE

FEB 2026 - AUGUST 2027

Relevant Courses: Robotics, Embedded Systems, Digital Electronics and Logic Design, Control Systems, Parallel and Distributed Computing, Microprocessors and Microcontrollers, Electrical and Electronic Principles, Artificial Intelligence, Python Programming

PROFESSIONAL EXPERIENCE

CHITUNGWIZA CENTRAL HOSPITAL

ZIMBABWE, CHITUNGWIZA

HARDWARE ENGINEER INTERN

AUGUST 2018- JANUARY 2019

- Administered SAP modules which included patients management, debtors management and materials management.
- Oversaw hardware management and executed general repairs.
- Assisted in liaising with ISP internet team in troubleshooting internet.
- Taught doctors, nurses and hospital staff on the use of SAP in their respective departments.

KENZIM COLLEGE

ZIMBABWE, HARARE

HARDWARE ENGINEER INTERN

AUGUST 2022- AUGUST 2023

- Managed computer lab workstations, printers, projectors and smart boards.
- Responded to daily IT tickets.
- Provided IT support to teachers and students.
- Assisted in the computer science teacher in teaching the basics of computers.

DATA CAPTURER

JANUARY 2019 - 2020

- Managed national high school registration processes for ZIMSEC, ensuring accuracy and compliance by checking and correcting registration errors.
- Maintained detailed student records and databases, supporting smooth administration and academic tracking.
- Oversaw the preparation and printing of internal examinations, ensuring timely and error-free delivery.

RESTK SOLUTIONS LTD (REMOTE, PART TIME)

ZIMBABWE, HARARE

FRONTEND DEVELOPER

MARCH 2025 TO PRESENT

- Designed and optimized mobile and web-based applications by collaborating with other software engineers and data scientists.
- Translated user requirements into wireframes and interactive prototypes enhancing user experience.
- Conducted usability testing and implemented design improvements to boost product adoption

ACHIEVEMENTS AND SCHOLARSHIP

ASPIRE INSTITUTE | AMERICA,CAMBRIDGE, MASSACHUSETTS

AUGUST 2025 - OCTOBER 2025

- Selected for a 9 weeks competitive leadership development program for emerging changemakers.

SKILLS

TECHNICAL SKILLS

- Programming: Python, C, C++ , Java
- Web and Mobile application development: Flutter, JavaScript, CSS, HTML, Node.js, React, Django
- Embedded Systems : PCB Design, RISC-V, FPGA, Verilog, Assembly Language, VHDL
- Machine Learning: TensorFlow, PyTorch, KERAS, Scikit-learn
- Operating Systems: Linux(Ubuntu and Kali) , Windows
- Robotics: Ros 1 noetic , Ros2 Humble, Gazebo
- Tools: AutoCAD, Proteus , Git , Arduino IDE, Fritzing, Tinkercard Circuit

NON TECHNICAL SKILLS

- Hardworking and result oriented
- Critical Thinking and Problem Solving
- Collaboration and Cross Disciplinary Teamwork

ACTIVITIES AND EXTRACURRICULAR ACTIVITIES

ROBOTICS CLUB | UNIVERSITY OF ZIMBABWE

FEBRUARY 2023 - JUNE 2024

- Engaged in robotics research and testing autonomous systems.
- Promoted peer learning and innovation through collaborative projects.

ROBOTICS MENTOR | GIRLS IN STEM ZIMBABWE

FEBRUARY 2025 - PRESENT

- Mentored primary and high school students on STEM subjects and hands on projects, encouraging early interest in science and technology.
- Guided student teams in robotics, providing training and support for participation in competitions.
- Mentored primary school students for the 2025 World Robotics Olympiad, fostering innovation, **teamwork and problem-solving skills.**

FOUNDER | BURTS CONSORTIUM ZIMBABWE

MARCH 2020 -

PRESENT

- Established an online platform to connect and empower artists during the COVID-19 pandemic.
- Organized virtual sessions with models, comedians, and poets, fostering collaboration and creativity.
- Researched financial challenges faced by artists and developed strategies to address them.
- Launched the Burts Gazette to highlight underrepresented voices in sports, business, and the arts.

LANGUAGES

- Shona
- English
- Portuguese
- Ndebele