# ESIAH KAPINGA

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Portfolio: https://esiiah.github.io/portfolio-site/ 　　　　　　　　　　　　　　　　　　　　My portfolio

## EDUCATION

**MARWADI UNIVERSITY** 　　　　　　　　　　　　　　　　　　　　　　　　　　　Rajkot, India
Bachelor of Science in Microbiology, 　　　　　　　　　　　　　　　　　　　　graduated May 2025
Major in molecular biology, bioinformatics, and health informatics
First Class with Distinction
Relevant Coursework: Molecular Biology, Chemistry, Bioinformatics & Computational Biology, Public Health, Microbial Genetics, Research Communication

**ZAMBIA QUALIFICATIONS AUTHORITY** 　　　　　　　　　　　　　　　　　　　Lusaka, Zambia
ZAQA Degree Recognition Certificate. 　　　　　　　　　　　　　　　　　　　Validated July 2025

## WORK EXPERIENCE

**GOKUL HOSPITAL** 　　　　　　　　　　　　　　　　　　　　　　　　　　　Rajkot, India
Laboratory Scientist Intern 　　　　　　　　　　　　　　　　　　　　　Oct 2024 – Nov 2024
- Conducted microbiological diagnostics and patient sample testing using hospital-based lab protocols
- Gained hands-on experience in specimen handling, culture techniques, and microbial identification

**EXCELERATE PROGRAM (SAINT LOUIS UNIVERSITY)** 　　　　　　　　　　　　　　　Remote
Virtual Intern, Data Visualization & Health Informatics 　　　　　　　　　　　Apr 2025 – May 2025
- Developed interactive complex data dashboards using Excel and Power BI, enhancing data accessibility for decision-making
- Applied research thinking to real-world global health projects, collaborating across international teams

## PROJECTS

- **Phylogenetic Analysis of Tinospora Spp:** Performed phylogenetic analysis of multiple Tinospora species using MEGA X.
- **WHO COVID-19 Global Data Visualization (Python):** Used python to fetch Covid-19 up to date data with retrieval APIs.
- **UNICEF Child Mortality Analysis (R):** Used R programing language to clean and analyse child mortality rate.

MORE HERE: https://esiiah.github.io/portfolio-site/#projects

## ACTIVITIES

**INDUSTRIAL BIOTECHNOLOGY EXPOSURE PROGRAM (IBEP)** 　　　　　　　　　　　Rajkot, India
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**Participant** – Field Visit Series
- Explored biomedical waste management systems at **Distromed Bioclean Pvt. Ltd**., understanding sterilization and disposal protocols
- Gained insights into large-scale dairy processing and quality control workflows at **Amul Dairy Plant**
- Observed fermentation and bioproduct development techniques at **Fishfa Biogenics, a pharmaceutical and fertilizer production company**

## ADDITIONAL

**Technical Skills:** Python (Proficient), R, HTML, CSS, Power BI, Tableau, Canva, Biorender, CapCut, PyMol, JsMol, AI Tools
**Languages**: English (Fluent), Bemba (Fluent), Nyanja (Fluent)
**Certifications & Training:** Basic Computing in Life Sciences, Web Development with HTML & CSS (Coursera), Python for Everybody
**Awards & Recognition:** First Class with Distinction (Marwadi University, 2025); ZAQA Certificate Recognition (Zambia, 2025)