

## ESIAH KAPINGA

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Portfolio: <https://esiiiah.github.io/portfolio-site/>

My portfolio

## EDUCATION

### MARWADI UNIVERSITY

Bachelor of Science in Microbiology,

Major in molecular biology, bioinformatics, and health informatics

Cumulative GPA: 7.83/10 (73.80%), First Class with Distinction

Relevant Coursework: Molecular Biology, Chemistry, Bioinformatics & Computational Biology, Public Health, Microbial Genetics, Research Communication

Rajkot, India

graduated May 2025

### ZAMBIA QUALIFICATIONS AUTHORITY

ZAQA Degree Recognition Certificate.

Lusaka, Zambia

Validated July 2025

## WORK EXPERIENCE

### GOKUL HOSPITAL

Laboratory Scientist Intern

Rajkot, India

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)

Virtual Intern, Data Visualization & Health Informatics

Remote

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://esiiiah.github.io/portfolio-site/#projects>

## ACTIVITIES

### INDUSTRIAL BIOTECHNOLOGY EXPOSURE PROGRAM (IBEP)

Rajkot, India

Jul 2024 – Oct 2024

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)