

Curriculum Vitae

ALPHAKSADI .N. STANSLAUS

Mob: **+255718583861**; Email: stanalphax@gmail.com

PROFILE

Date of Birth : 23rd October 1996
Marital Status : Single
Languages (Written & Spoken) : Swahili & English

ACADEMIC QUALIFICATION

2020 - 2023: **Dar es Salaam Institute of Technology (DIT)**
Bachelor of Engineering in Computer

2017 - 2020: **Dar es Salaam Institute of Technology (DIT)**
Ordinary Diploma in Computer Engineering

2014 - 2016: **Lulumba High School**
Advanced Certificate of Secondary Education

2010 – 2013: **Ula Secondary School**
Certificate of Secondary Education

2003 – 2009: **Miningani Primary School**
Primary School certificate

OTHER ACADEMIC SKILLS

While pursuing my bachelor of Engineering in computer at Dar es Salaam Institute of Technology I was able to explore and participate in the other field of my profession known as computer networking. I am well capable of doing things like installation and configuration of microwave transmission links, installation and configuration of point to point(P2P) corporate links Cambium, RADWIN and Ubiquity devices.

My willingness to learn, being flexible and not worry about the position, will fit me quickly into any organization and facing new challenges is my strength and assets. I am optimistic that I can do good job under any employer.

SKILLS

- Database design and development using RDBMS namely MySQL and PostgreSQL
- Skilled in the variety of programming languages namely python, JavaScript and PHP.
- Working with docker for development and shipping.
- Proficient in frontend development using Vue.js
- Mobile first responsive design using tailwind CSS.
- Experienced working with backend technologies namely Django and Laravel.
- Mobile development using flutter.
- Proficient in building and working with RESTful APIs (Using Laravel and Django)
- Application and API documentation.
- Debugging/Testing using chrome developer tools.
- Performance optimization using CDNs and Caching.
- Proficient in version control systems (Git) and GitHub.
- Ability to prioritize, work under pressure and meet deadlines.
- Collaboration and teamwork.
- Strong communication skills.
- Open-minded and always ready to take on new challenges.
- Problem-solving abilities.
- Time management, effective in planning and organization.
- Faithful.

WORK EXPERIENCE/ EXTRACURRICULAR ACTIVITIES

A: Design and development of RESTful API for a website

Technologies (Laravel, MySQL)

Project overview:

This project focuses on creating a RESTful API that serves as a backbone for a website, facilitating smooth and efficient communication between website's front-end interface and back-end data and services. The API is designed to handle various operations, including user authentication, data management, and interaction with different resources, ensuring that the website can provide dynamic real-time functionality to its users.

Activities

- Database interaction: Establishing a connection to the backend database to perform CRUD (Create, Read, Update, Delete) operations on data.
- Endpoint design: Developing API endpoints that allow clients to request and manipulate data. These endpoints will follow RESTful principles, providing a standardized way for different clients to interact with the website.

- Authorization and authentication: Implementing secure methods for user authentication and authorization to ensure that only authorized users can access or modify data.
- Data validation and Error handling: Ensuring that all data passed to and from the API is validated for accuracy and completeness, with robust error handling mechanisms to manage and communicate any issues.
- Documentation and testing: Providing detailed documentation and thorough testing to ensure the API is reliable, easy to use, and meets the project's requirements.

B: (Field work) at Mwema advocates, Posta, Dar es salaam (<https://tz.linkedin.com/company/mwema-advocates>).

Design and development of loan prediction system (Technologies: Django, Bootstrap, PostgreSQL, Machine learning)

Project overview:

The Loan Prediction System is designed to assist loan officers in making swift and informed decisions regarding loan approvals. By leveraging machine learning, the system analyzes various predefined factors to determine the likelihood of a loan being approved. This automation significantly reduces the time and effort required for loan officers to manually assess each application, enhancing both efficiency and accuracy in the decision-making process.

Activities

- Database design: Design the database schema using PostgreSQL to store applicant data, loan information, and prediction results.
- User Interface Design: Design the user interface using Bootstrap for a responsive and visually appealing frontend.
- Data Collection and Preparation: Gathering historical loan data including applicant information, loan terms, and loan outcomes. Also preprocessing the data by handling missing values, encoding categorical variables, and scaling numerical features.
- Integration of Machine Learning Model: Developing a machine learning model using Python libraries like scikit-learn to predict loan approval. Also Integrating the trained model into the Django application to make predictions based on user input.

C: Implementation of my final year project.

Dar es Salaam institute of Technology, Dar es salaam.

Design and development of car parking management system (Technologies: Flutter, Firebase, Electronics)

Project overview:

Car parking management system is a project that includes both the hardware and software. The hardware includes sensors that detect the presence or absence of parking

slot and send data to the systems processing unit for further data manipulation. The data is then presented to the user in a nice interface on a mobile app developed using flutter for further interaction.

Activities

- Database set up on firebase real-time database for dynamically sending and retrieval of data.
- User Interface Design: Designing the user interface for a mobile app using flutter framework.
- Circuit design and development: This involved designing the circuit that will be responsible with data collection (using sensors) and processing before sending them to be displayed to the user on a mobile application.
- Integration of hardware and software: This involved merging the two parts together to have a fully functioning system.
- Launching the mobile app on an actual device: This step involved installing the developed app on a mobile phone so that it can be used.

Check out my portfolio at [**https://alphaxportfolio.netlify.app/**](https://alphaxportfolio.netlify.app/)

REFEREES

Ms. Happiness Alexandar

Assistant Lecturer

Dar es Salaam Institute of Technology

Mobile: +255654933722

Email: happiness.alexandar2021@gmail.com

Eng. Elikana Nyaruhima

RF and TX Engineer

MS_Bhart_Airtel_Nokia_Acme Services

Mobile: +255786670745

Email: elikananyaruhima@gmail.com

Eng. Paul Kasanda

ICT Officer

Bank Of Tanzania (BOT)

Mobile: + 255769121523

Email: tituspaul668@gmail.com