

# Zikmang Isah Lekmang

Mechatronics Engineer || Frontend Engineer

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## PROFILE

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I'm a frontend engineer who enjoys building practical, well-structured web interfaces that solve real problems. I care about how applications are built, emphasizing reusable components and clear data models alongside clean design.

## SKILLS

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- Python
- JavaScript
- React
- Git
- HTML | CSS

## PROJECTS

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### Adashe 💼

01/2026 – Present

*Digital Group Saving*

A FinTech feature that digitizes traditional group savings (Adashe) into a transparent, state-driven user experience.

### Crop Companion

12/2025 – Present

A web application that helps users discover companion crops and connect with nearby sellers. The platform blends farming knowledge with a marketplace experience tailored for local communities.

### DEVELOPMENT OF A PROTOTYPE AUTONOMOUS VEHICLE USING AI FOR OBJECT DETECTION AND PATH PLANNING

01/2025 – 07/2025

- Designed and built an indoor autonomous vehicle integrating computer vision and path planning algorithms for navigation on a pre-programmed route.
- Implemented object recognition (e.g., traffic lights) using Raspberry Pi for image processing and decision-making.
- Integrated ultrasonic and infrared sensors via Arduino for real-time obstacle detection and collision avoidance.
- Distributed computational tasks based on system complexity to optimize processing efficiency and hardware performance.
- Developed a modular architecture separating perception, planning, and control layers.

## EDUCATION

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### B.eng Mechatronics Engineering

12/2020 – 08/2025

*Landmark University*

Kwara, Nigeria

### Secondary School

09/2014 – 12/2020

*ECWA Secondary School Miango*

Jos, Nigeria

## INTERESTS

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Automation | History