

# Plamedi Mayala

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GitHub: [github.com/PMayala](https://github.com/PMayala) | [Portfolio](#)

## PROFESSIONAL SUMMARY

I am a Software Engineering student at African Leadership University with a strong foundation in full-stack development using the MERN stack. Combines technical expertise with a diverse set of soft skills, including leadership, problem-solving, and emotional intelligence. Passionate about leveraging technology to create impactful solutions, with a focus on web applications. Seeking opportunities to apply academic knowledge, project experience, and well-rounded skillset to real-world software engineering challenges.

## TECHNICAL SKILLS

- Languages: JavaScript, Python, SQL, HTML5, CSS3
- Frameworks/Libraries: React.js, Node.js, Express.js, Flask, Tailwind CSS
- Databases: MongoDB, SQLAlchemy
- Tools: Git, GitHub, Docker, Vercel, Render, Postman, Figma, Swagger
- Methodologies: Agile, Scrum, RESTful API design
- Data Analysis: SPSS, Project R
- Cloud Platforms: AWS (basic knowledge)

## SOFT SKILLS

Leadership | Problem Solving | Critical Thinking | Time Management | Adaptability  
Communication | Emotional Intelligence | Teamwork | Cultural Awareness

## PROJECTS

### **MAKTABA Library Management System | Full-stack Developer | May 2024 - Present**

- Architected and developed a comprehensive library management solution using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Implemented responsive and intuitive user interfaces with Tailwind CSS, enhancing accessibility and user experience.
- Utilized Git for version control and collaborated with a team using Agile methodologies.
- Integrated RESTful APIs to enable seamless communication between front-end and back-end services.
- Optimized database queries and implemented caching strategies, resulting in a 30% reduction in page load times.
- Implemented user authentication and authorization using JSON Web Tokens (JWT) for enhanced security.

### **EcoTrack Project | Software Development Intern | March 2024 - May 2024**

- Developed a full-stack web application for real-time ecological metrics tracking using Flask, SQLAlchemy, and React.
- Designed and implemented RESTful APIs to facilitate data exchange between the front-end and back-end.
- Containerized the application using Docker for consistent deployment across different environments.
- Utilized Vercel for frontend deployment and Render for backend services, ensuring scalability and high availability.
- Conducted thorough code reviews and implemented automated testing, improving overall code quality and reducing bugs by 20%.
- Collaborated with UX/UI designers to implement responsive designs and ensure cross-browser compatibility.

## EDUCATION

**BA Software Engineering | Expected Graduation: May 2026**

**African Leadership University, Kigali, Rwanda**

Relevant Coursework: Data Structures and Algorithms, Machine Learning, Database Management Systems, Web Development, Software Engineering Principles, Agile Methodologies

**High School Diploma | 2022**

**Ecole Des Sciences Byimana, Ruhango, Rwanda**

Relevant Coursework: Mathematics, Physics and Computer science.

Grade: 55/60

## ADDITIONAL EXPERIENCE

**Volunteer | Red Cross Rwanda | September 2019 - Present**

- Participate in community outreach programs focusing on disaster preparedness and health education.
- Collaborate with team members to organize and execute large-scale community events.
- Gained valuable teamwork and leadership experience through various volunteer initiatives.

**Music Producer | Self-employed | February 2020 - Present**

- Manage end-to-end music production projects for local artists, from conceptualization to final delivery.
- Utilize digital audio workstations (DAWs) and various software tools to create, mix, and master tracks.
- Collaborate with artists and other producers to ensure high-quality outputs and meet project deadlines.

## ACADEMIC ACHIEVEMENTS

- Excelled in Mathematics and Physics during high school, developing strong problem-solving skills.
- Recognized as a top performer in Computer Science coursework, showcasing programming proficiency.
- Active member of the French Club, enhancing language skills and cultural knowledge.

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- Held leadership positions in various clubs and organizations, developing strong leadership skills.
- Balanced academics and extracurricular activities, demonstrating excellent time management.
- Adapted to diverse challenging situations, showcasing adaptability and resilience.
- Engaged in projects and activities that enhanced critical thinking and emotional intelligence.

## LANGUAGES

- Kinyarwanda (Native),
- English (Fluent),
- French (Conversational),

## INTERESTS

Artificial Intelligence, Project Management, Data science, Sustainable Technology and Green Computing