

Munashe Sam Mudabura

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Portfolio: <http://munashemudabura.com/>

PROFESSIONAL SUMMARY

Master's student in Computer Science with experience in backend development, and cloud workflows. Skilled in building scalable software solutions with proven industry experience as a Junior Developer.

EDUCATION

Master of Science in Computer Science

Saint Louis University, St. Louis, MO | *Expected May 2027*

Bachelor of Science in Software Engineering (First Class Division, equivalent to ~3.8/4.0 GPA)

Harare Institute of Technology, Harare, Zimbabwe | *Aug 2020 – May 2024*

Capstone: Built an AI Proctoring System using Computer Vision (YOLOv8) and text classification.

TECHNICAL SKILLS

- **Languages:** Java, C#, Python, JavaScript, PHP | **Frameworks:** ASP.NET Core, React, Laravel, Flask, Spring
- **Databases:** MySQL, SqlServer, PostgreSQL, MongoDB | **Cloud:** Azure (exposure), AWS (in progress)
- **Tools/Workflows:** Git, Visual Studio, Agile/Scrum, REST APIs, OOP
- **AI/ML Tools:** OpenAI API, LangChain, Hugging Face, TensorFlow, PyTorch, AI-assisted app development

EXPERIENCE

Junior Software Developer | Zimbabwe Leaf Tobacco, Harare, Zimbabwe | Jun 2024 – July 2025

- Developed and maintained backend applications using ASP.NET Core MVC and C#, improving IT asset management and reporting workflows.
- Collaborated in an Agile team environment, attending regular standups, sprint planning, and code reviews.
- Designed and consumed RESTful APIs, applying OOP principles to improve scalability and maintainability.
- Deployed applications on internal servers, gaining exposure to Azure cloud workflows.

Software Development Intern | Zimbabwe Leaf Tobacco, Harare, Zimbabwe | May 2022 – Mar 2023

- Contributed to backend development projects using Java and C#, debugging and testing code to ensure production stability.
- Supported integration of IT systems and backend modules with a focus on scalability and security. - Documented features and collaborated with senior engineers on system enhancements.

PROJECTS

- AI Proctoring System (Python, OpenCV, NLP): Built a computer vision solution for remote exam monitoring.
- Inventory Management System (ASP.NET Core, C#): Designed backend architecture and APIs to track IT assets in real time.
- Tobacco Chatbot (Mistral, Python, Flask): Developed a retrieval-augmented generation (RAG) chatbot capable of fetching domain-specific information based on user vocal input, leveraging Mistral LLM as the backbone for context-aware responses.
- Personal portfolio (React & Tailwind): Built a personal portfolio with integrated AI features (e.g., theme toggling, automation, and chatbot).

LEADERSHIP

- Student Representative Committee, HIT (2023): Coordinated campus events and supported student welfare programs.