

# ORATOR MURAMBIWA

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## Education

**Bachelor of Science, Computer Science** August 2024 - May 2028  
Grambling State University | Grambling, LA

- **GPA:** 4.0
- **Awards:** Grambling Presidential Scholarship, EducationUSA OFP, New Seasons Youth Program Scholar
- **Relevant Courses:** Computer Science 1&2, Data Structures and Algorithms, Calculus, CodePath Web Development, Python for Data Science, Data Visualisation (Codecademy), Getting started with data (IBM)
- **Programming Skills:** Python, Go, JavaScript, React.js, HTML, CSS, Data Analysis, R, Node.js, Flask, TypeScript

## Experience

**Software Development Intern - LCLS** June 2025 - Present  
SLAC (Stanford Linear Accelerator Center) National Accelerator Lab | Menlo Park, California

- Designed and developed a full-stack Django web application styled with Tailwind CSS to streamline communication and track LCLS-II-HE assembly status
- Led product design by translating stakeholder input into system requirements, mapping end-to-end workflows, and identifying technical and tooling needs
- Engineered key features including real-time messaging, an embedded AI chatbot for documentation support, and interactive dashboards for activity logging and progress visualization

**Summer Spectrum Sizzle** June 2025 - June 2025  
SMARTHUB x Baylor College of Engineering and Computer Science | Waco, Texas

- Explored key topics in spectrum, including policy, passive systems, radar, microwave circuits, and communication systems
- Built and tested RF filters, studied radar signal graphs, and learned how satellites use spectrum to transmit environmental data
- Applied MATLAB to analyse radar signals, simulate spectrum-based communication, and interpret signal encoding and decoding techniques

**PwC Consulting Extern** February 2025 - March 2025  
Extern | Remote

- Completed a PwC remote externship analysing JDBF’s communication strategy, providing insights to boost outreach, visibility, and stakeholder engagement
- Conducted competitive benchmarking and synthesized insights into actionable recommendations for program growth
- Delivered a concise client-facing presentation and video summary to support JDBF’s outreach and recruitment strategy

## Projects

SpecScope | [Github](#)  
• Designed and developed a real-time RF spectrum monitoring tool built with **Go**, **React/Next.js**, and **Python ML models** to detect interference, analyse frequency patterns, and visualize wireless activity

MedStroke | [Github](#)  
• Developed a role-based medical web app using **FastAPI**, **Python**, **Jinja2**, **HTML/CSS**, and **SQLite** to assess stroke patients’ tPA eligibility, featuring scan uploads, physician review, and patient access

Portfolio Website | [Github](#)  
• Created a personalized portfolio website using **Next.js**, integrating **Framer Motion** for animations, **Three.js** for 3D graphics and **React** for dynamic user interfaces

## Leadership & Campus Involvement

**Communications and Outreach Chair** January 2025 - Present  
ColorStack Grambling Chapter | Grambling, LA

- Publicising events and boosted engagement by designing digital flyers, capturing event photos and videos for social media, and fostering an inclusive tech community through strategic outreach