

PRAISE A. GAVI

+1 (318) 790-1690 | pgavi@gsuemail.gram.edu | [LinkedIn](#) | [My Portfolio](#) | [GitHub](#)

EDUCATION

Grambling State University - Cumulative GPA: 4.0

Grambling, LA

Bachelor of Science in Computer Science and Mathematics

Expected Graduation: May 2028

Relevant Coursework: Discrete Structures, Data Structures and Algorithms, Operating systems, Cloud computing, Database Systems

TECHNICAL SKILLS AND CERTIFICATIONS

Languages: C, Python, Swift, PHP, JavaScript, HTML/CSS, SQL

Tools and Other: React.js, Flask, Azure, Linux, Git, GitHub, Docker, Kubernetes, Cisco Packet Tracer, Wireshark

Certifications: ALX 12-Month Full Stack Software Engineering, Google DevOps in Web Development, Cisco NDG Linux, Microsoft Azure Cloud Services (AZ-900), Artificial Intelligence (AI-900), Security and Compliance (SC-900)

PROFESSIONAL EXPERIENCE

Full Stack Software Developer

February 2024 – June 2024

Onelife Aqua and Recreational Centre | Python, JavaScript, PHP, HTML/CSS, WordPress, BotPress | [Link](#)

- Built a full-stack Member Management System for 530+ users, reducing arrears by 34% through efficient SQL database solutions, enhancing attendance tracking accuracy, coaching assignments, and promptly recording payments
- Developed a chatbot using Python and BotPress, incorporating natural language processing to streamline 200+ customer interactions and boost operational efficiency by reducing the inquiry backlog.
- Deployed an e-commerce-ready academy website with booking & payment, resulting in 23% revenue growth.

Huawei ICT Computer Network Security and Data Communication Trainee

December 2023 – February 2024

Huawei | Firewalls, VPN configurations, Encryption, TCP/IP, routing, switching

Configured and optimized network infrastructure using advanced **encryption protocols** to safeguard data communication.

- Implemented **network security protocols**, including VPN configurations, access control mechanisms, and firewall rule management, to enhance system protection and ensure secure data flow.
- Achieved top results at the African regional stage by demonstrating expertise in secure network setups and solving real-world security challenges.

PROJECTS

ClassSync – IOS Smart Attendance App

Grambling State University | Swift, SwiftUI, Firebase | [GitHub](#)

- Built with SwiftUI and MVVM architecture, this app uses Nearby Share and geo-fencing to auto-mark attendance when students enter class zones. Currently being implemented at **Grambling State University**.
- Integrated FaceID login with FirebaseAuth session management, and built a live dashboard with real-time class updates and notifications.
- Ensured privacy and accessibility via SiriKit, screen reader support, and precise location use only during check-in.

Student Off-Campus Accommodation Web Platform

Harare Institute of Technology | PHP, JavaScript, HTML/CSS, SQL | [GitHub](#)

- Developed a robust web platform to facilitate off-campus accommodation and administrative management for nearly 3,000 students at the Harare Institute of Technology (HIT200), incorporating secure payment integration.
- Employed PHP, JavaScript, and HTML/CSS for backend and frontend development, and SQL for database management.
- Streamlined team collaboration by implementing Git workflows, which boosted development efficiency and ensured seamless feature integration across the platform.

IMC Algorithmic Trading Bots – Prosperity 3 Challenge

IMC Trading B.V | Python, Real-Time Systems, Market Microstructure | [GitHub](#)

Strategy: Synthetic Arbitrage · Basket Decomposition · Order Book Dynamics · Inventory Risk Management

- Developed modular **Python** trading bots that exploited price discrepancies between structured products and their components using **real-time synthetic pricing**.
- Managed risk** with inventory balancing, component syncing, and adaptive order sizing to stay within exposure limits.
- Built **execution logic** around bid/ask spreads, order book depth, and trend signals for both market and limit orders.

ACHIEVEMENTS AND AWARDS

Grambling State Presidential Scholarship, Recipient | **Dean’s List**, 2024 | **President’s List**, 2024

Huawei ICT Network Security and Data Communication, Africa Regionals Winner (2024) among 45+ teams

Transerv Zimbabwe Business Competition, Winner (2023)

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Young People’s Mental Health Trust — Public Speaking Officer

- Supported nonprofit outreach initiatives by delivering talks and workshops, enhancing youth engagement and awareness on mental health issues.

Grambling State University Chess Club, Captain

- Led competitive team strategy and campus engagement, building critical thinking and leadership skills.

Grambling State University Society of Physics, Secretary

- Coordinated academic events and peer support for STEM majors, fostering a collaborative learning culture.

Affiliated Organizations:

PayPal Career Academy, Scholar **Goldman Sachs, Scholar** **Thurgood Marshall College Fund x Citi Bank, Scholar**

ColorStack, **National Society of Black Engineers,** **CodePath,** **New Seasons Youth Program**