Shema Boris Benimana

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EDUCATION

Grambling State University **Aug 2024 - May 2028**
Bachelor of Science, Computer Science | **GPA**: 3.91/4.00 **Grambling, LA**
Relevant Coursework: DSA, Intro to AI, Discrete Structures Intermediate Python Programming, Calculus I& II, Probability and Stats I&II, Physics I&II, Linear Algebra.
Awards: Presidential Scholarship, Presidents list.

TECHNICAL SKILLS AND CERTIFICATIONS

Languages/Frameworks: Python (FastAPI), JavaScript(React.js & Next.js) , TypeScript, HTML/CSS, Java(Spring), LangChain, CrewAI, Pytorch.
Tools and Others: Git, Vite, MongoDB, PostgreSQL, Windsurf, VS Code

EXPERIENCE

Web Developer | Grambling State University-Mass Communication Department **Aug 2025-Present**

- Developed Python automation scripts to process and analyze student survey data, reducing manual reporting time by 80% and improving data accuracy.
- Rebuilt the media lab booking system with server-side validation and conflict-detection logic, reducing scheduling conflicts by 95% and improving overall system reliability.

Freelance Software Dev | Grambling, LA **June 2025 – July 2025**

- Built a full-stack AI career platform using **Next.js** and **Google Gemini** to provide interview prep and personalized document guidance for users in **50+** industries.
- Designed end-to-end workflows that persist user data and enable PDF exports, achieving a **95%** user success rate through optimized retrieval.

PROJECTS

Real-Time Sports Analytics Web Application | Next.js, FastAPI, Redis, PostgreSQL **Github**

- Built a full-stack web application using **Next.js**, **FastAPI** and **PostgreSQL** to process live sports data and generate match predictions, achieving 75% model accuracy.
- Improved application performance by implementing caching using **Redis** and optimized database queries, reducing response time and lowering infrastructure costs by 40%.

AI Model Recommendation Web Tool | Next.js, TypeScript, Tailwind CSS **Github**

- Built a responsive web application using **Next.js** and **TypeScript** to analyze user input and recommend appropriate AI tools in under 5 milliseconds.
- Designed a modular backend architecture that allowed new evaluation modules to be added without downtime, improving maintainability and scalability.

Natural language to SQL Web Service |Pytorch, HuggingFace Transformers **Github**

- Developed a backend service using **Python** and transformer models to convert natural language into SQL queries, enabling simplified database interaction with 80% accuracy.
- Built automated testing pipelines covering 8400+queries improving system stability by 15% and reducing query errors by 75%.

Organizations & Involvement

- National Society Of Black Engineers, (NSBE), ColorStack, Brilliant Black minds.