Eric Ayanru

Aspiring Full-Stack Developer | Python Programmer

📧 ericayanru@outlook.com

🌐 GitHub: [ericayanru-dev](#)

💼 LinkedIn: Eric Ayanru

Professional Summary

Self-driven aspiring software and web application developer with strong foundations in Python, SQL, and web fundamentals. Passionate about building practical solutions, continuously learning new technologies, and seeking opportunities to contribute to impactful projects while expanding expertise into backend frameworks and AI.

Skills

- **Programming Languages:** Python, SQL, HTML, CSS
- **Frameworks & Libraries:** Flask (learning), Django (learning)
- **Tools:** Git, GitHub, VSCode, MySQL Workbench
- **Concepts:** Object-Oriented Programming (OOP), CRUD Operations, Database Design

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Projects

- **Chemical Formula Analyzer (Python):** Analyzed chemical formulas to compute molar mass efficiently.
- **Dice Roller GUI (Python):** Developed an interactive dice rolling application with a graphical interface.
- **Password Strength Checker (Python):** Validated password security based on length, complexity, and common password lists.
- **Grocery Store Simulation (Python):** Built a basic inventory and sales tracking system for practice in classes and file handling.
- **Whitewater Rafting Website (HTML/CSS):** Designed a responsive multi-page website as part of web development coursework.
- **University Database Design (SQL):** Modeled and queried complex university data structures using relational databases.
- **Fish Farm Management System (Python):** Managed feed stock, income, and profit calculations for practical aquaculture management.

(Full project details available on GitHub)

Certifications & Coursework

- **Introduction to Python Programming – BYU CSE111 (2025)**
- **Database Fundamentals – BYU ITM111 (2025)**
- **Web Fundamentals (HTML, CSS) – BYU WDD130 (2025)**

Learning Roadmap

- Full-Stack Web Development
- Software Development (C#, C++)
- AI & Machine Learning (Python)
- DevOps & Cloud
- Cybersecurity Programming

Additional Information

- Strong problem-solving skills and self-learning discipline.
- Committed to developing clean, scalable, and secure code.
- Seeking internship or entry-level opportunities to apply and grow skills in real-world environments.