

Shelton Bumhe

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EDUCATION

University of Nebraska-Lincoln, NE

Expected Dec 2027

Bachelor of Science in Computer Science, Minor in Mathematics

GPA 3.50

Course Work: Data Structures & Algorithms, Discrete Math, Linear Algebra, Software Engineering 1, Physics 1, Calculus III

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, SQL, C#, C

Frameworks/ Libraries: Spring Boot, Django, TensorFlow, Panda, Numpy, XGBoost, ASP.NET Core, EF Core, JUnit, xUnit

PROFESSIONAL EXPERIENCE

Dominion College, Harare, Zimbabwe

Feb 2022 - Aug 2023

Software Developer & Math Tutor

- Deployed a Python-based student performance tracking system integrated with a MySQL relational database, reducing manual data entry by 40% through data pipelines and report generation
- Designed normalized database schemas (students, assessments, attendance) and implemented optimized SQL queries to support efficient retrieval and analysis of academic data.
- Build a data analysis workflow using pandas to process and evaluate students' performance, identifying learning gaps and improving test scores by 15% over a 3-month period.
- Automated weekly reporting generating dynamic summaries and insights, eliminating repetitive administrative tasks and improving instructional decision-making.

PROJECTS

NFL QB Touchdown Predictor (Python, scikit-learn, XGBoost, Streamlit)

Jan 2026

- Developed a touchdown prediction model (XGBoost/Python) trained on 10,000+ plays, maintaining 88% precision across diverse game scenarios.
- Leveraged SHAP to interpret complex model behaviors, providing intuitive visualization of performance metrics for end-users.
- Built an interactive Streamlit dashboard to run real-time simulations and display predictions in under 2 seconds.

Full-Stack E-Commerce (.NET 9, React, PostgreSQL, Redis, Azure)

Sep 2025 – Dec 2025

- Designed a high-performance store using .NET 9 and React, using Redis to cache data so pages load instantly even under heavy traffic.
- Secured customer payments and media using Stripe and Cloudinary, locking down sensitive data with JWT and strict access controls.
- Created a fully automated release pipeline to Azure using GitHub Actions, ensuring every code change is tested and bug-free before launch.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership For Tomorrow (MLT)

Nov 2025- Present

Career Prep Fellow

- Accepted into a selective 18-month professional development program focused on structured coaching, mentorship, and targeted skill-building.
- Developed business and technical acumen through technical assessments, case studies, simulations, and project work to strengthen analytical and leadership capabilities.
- Engaged with partner organizations including LinkedIn, Bloomberg, and Deloitte to build industry exposure and insight into technology career pathways.

Additional Involvement: ColorStack; National Society of Black Engineers