Shelton Bumhe

Lincoln, NE 68508 — (308) 663-3469 — sbumhe2@huskers.unl.edu
linkedin.com/in/shelton-bumhe-027476312 — github.com/SheltonBumhe —
sheltonbumhe.com

Education

University of Nebraska-Lincoln, Lincoln, NE
Bachelor of Science in Computer Science   Graduation: May 2027

Skills

Programming: Python, Java, SQL, C++, C, JavaScript, CSS
Tools/Frameworks: Pandas, Matplotlib, NumPy, JDBC, Git, JUnit, SQL Workbench, REST, Eclipse, VS Code, Scikit-learn
Concepts: Object-Oriented Programming (OOP), API Development, Relational Databases (MySQL)
Other: Technical Writing, Design Documentation

Relevant Projects

NFL QB Touchdown Predictor (Python, Pandas, Scikit-learn, XGBoost, Streamlit)   Jul 2025 – Present

- Designed a model to predict if an NFL quarterback will throw a touchdown in a game.
- Cleaned and processed game logs and career data from NFL.com, including rolling stats and contextual features.
- Trained and tuned classifiers (LogReg, XGBoost), achieving 88% accuracy and 0.91 ROC-AUC.
- Deployed the model as an interactive Streamlit web app with SHAP-based explainability.

Invoice Management System (Java, SQL, JDBC)   Jan 2024 – May 2024

- Developed an object-oriented system for managing purchases, leases, and rentals of equipment/materials.
- Integrated MySQL database using JDBC for storing invoices, companies, and item data.
- Built a custom Java API to persist, update, and retrieve data; generated JUnit tests and exportable JAR.

Knight's Solver (Python, NumPy, Recursion)   Jan 2024 – Mar 2024

- Implemented a backtracking algorithm to solve knight movement puzzles with depth-limited recursion.
- Parsed board setups from CSV files and visualized valid solution paths step-by-step.

Work Experience

Thrasher Concrete & Foundation Repair, Grand Island, NE   May 2024 – Aug 2024
Lead Installer

- Supervised 4 team members at job sites; ensured project completion met structural safety standards.
- Installed EverBrace systems in 24 homes to repair cracked foundations.
- Performed caulking and gutter installation to improve long-term home durability and aesthetics.

Leadership Experience

Dominion College, Harare, Zimbabwe   Feb 2022 – Aug 2023
Math Tutor

- Tutored high school students one-on-one to improve math comprehension and confidence.
- Achieved a 99% student pass rate; most students earned top grades.