

Bibek Wagle

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LinkedIn: [//bibekwagle19](#) | Github: [//bibekwagle19](#) | [Portfolio](#)

Education

University of Texas at Arlington

Expected May 2025

B.S. in Computer Science

GPA: 3.43

Relevant Coursework: Machine Learning, Artificial Intelligence, Computer Vision, Natural Language Processing, Neural Networking, Database

Technical Skills

- **Data Analysis:** Python (Pandas, NumPy, Scikit-learn), R, SQL, Excel
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn
- **Machine Learning:** TensorFlow, Keras, Regression/Classification Models, Feature Engineering
- **Databases:** MySQL, Database Design, Query Optimization
- **Tools:** Git, JIRA, LaTeX, PHP, HTML/CSS

Projects

Breast Cancer Classification | [GitHub](#)

- Designed a machine learning pipeline to classify breast cancer as benign or malignant, achieving 98% accuracy.
- Implemented advanced classification algorithms, including Random Forest, Support Vector Machine, KNN Classifier, Naive Bayes Classifier, and Neural Network Classifier for robust predictions.
- Visualized feature importance and data patterns using Seaborn and Matplotlib, enabling better interpretability of model predictions.

Stock Market Prediction System | [GitHub](#)

- Built LSTM neural network with TensorFlow to predict stock price trends.
- Preprocessed financial data with MinMax scaling, improving model training efficiency.
- Optimized training performance with EarlyStopping and learning rate reduction techniques.

Academic Database Management System | MySQL, PHP

- Designed normalized relational database handling 10K+ records of student/faculty/grant data
- Developed web interface with complex query functionality, improving data retrieval speed by 40%

Multiplayer Word Search Game | [Website](#)

- Developed a dynamic multiplayer word search game supporting 2-5 player modes, implementing real-time chat and live scoreboard updates to enhance user interaction.
- Optimized game logic for efficient word selection and scoring, ensuring a seamless gaming experience. Enabled smooth game recovery after player disconnections to maintain uninterrupted gameplay.

Certifications

- [Google Data Analytics Professional Certificate](#) (2024)
- IBM Data Science Professional Certificate (In Progress)
- [The Ultimate MySQL Bootcamp](#) (Udemy, 2023)
- [Mastering Data Structures & Algorithms using C and C++](#) (Udemy, 2023)