

# Bibek Wagle

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Github: [//bibekwagle19](https://github.com/bibekwagle19)      Portfolio: [bibekwagle19.github.io/My-Portfolio](https://bibekwagle19.github.io/My-Portfolio)

## Education

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**University of Texas at Arlington**

Expected Graduation: Spring 2025

Bachelor in Computer Science

GPA: 3.43

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

## Skills

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**Programming Languages:** Python, R, MySQL, Java, C++, C, Javascript

**Tools & Technologies:** Power BI, Excel, Tableau, NumPy, Matplotlib, Scikit-learn, TensorFlow, Pandas, HTML, CSS, Git, JIRA

**Concepts::** Data Analysis, General Statistic, Spreadsheet, Data Management, Data Visualization, Business Analysis, Data Science, Object Oriented Programming

## Projects

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### Breast Cancer Detection | [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 Price Prediction | [GitHub](#)

- Developed an LSTM-based deep learning model using 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.

### Doctoral Database

- Developed a MySQL database to manage PhD students, instructors, and grants. Designed relational schemas and executed complex SQL queries for insights.
- Integrated the system with PHP, HTML, and CSS for a smooth user interface, ensuring data integrity and optimized performance.

### 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

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[The Ultimate MySQL Bootcamp](#) -Udemy, 2023

[Mastering Data Structures Algorithms using C and C++](#) -Udemy, 2023