

Abdul Wasay Faizan

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Education

York University, BSc in Computer Science and Minor in Applied Mathematics Sept 2021 – May 2026

- **Coursework:** Data Analysis, Fundamentals of Data Structures, Design and Analysis of Algorithms, Introduction to Database Systems, Building E-Commerce Systems, Artificial Intelligence, Machine Learning

Projects

Spotify Playlist Generator CLI (Python, OpenAI GPT-3.5, Spotipy) [Github Link](#)

- Developed a command-line tool that generates personalized music playlists based on user-provided prompts using OpenAI's GPT-3.5 and Spotify API.
 - Implemented playlist creation on Spotify, allowing users to generate and save playlists seamlessly.
 - Leveraged natural language processing (NLP) for song suggestions and dynamic playlist generation.

Sentiment Analysis on Tweets using LSTM (Python, Keras, LSTM) [Github Link](#)

- Implemented a deep learning-based sentiment analysis model using LSTM to classify tweets as positive, neutral, or negative.
 - Trained the model on the Sentiment140 dataset, using text preprocessing and word embeddings for feature extraction.
 - Evaluated the model's performance with accuracy, precision, and recall, and visualized sentiment trends.

Breast Cancer Prediction (Python, Machine Learning, ROC, AUC) [Github Link](#)

- Developed a machine learning model for breast cancer detection, comparing classifiers like Logistic Regression, SVM, and Random Forest.
 - Used ROC and AUC metrics for evaluating classifier performance and identifying the most effective model.
 - Visualized results to compare accuracy and evaluate the effectiveness of various features for cancer prediction.

Heart Disease Prediction (Python, Logistic Regression, Random Forest) [Github Link](#)

- Built a predictive model for heart disease risk using a dataset from the Centers for Disease Control and Prevention (CDC).
 - Applied machine learning models such as Logistic Regression and Random Forest to predict heart disease risk based on features like age, blood pressure, and cholesterol levels.
 - Evaluated model accuracy and visualized the key risk factors.

Experience

Customer Service & Data Support Assistant, Infinity Shipping Services – Karachi, Pakistan May 2021 – Aug 2021

- Delivered multi-channel customer support while resolving inquiries and service issues efficiently.
 - Used Microsoft Excel to monitor service request trends, escalate recurring issues, and support process improvements.
 - Organized and maintained structured customer data to enhance workflow and reporting accuracy.
 - Contributed to weekly team reports analyzing customer feedback and performance metrics.

Technologies

Languages: Python (NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Seaborn), Java, JavaScript, MATLAB, R

Databases: MySQL, MongoDB

Frameworks: React, Bootstrap, TensorFlow, Keras, PyTorch, Flask, Streamlit

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Tools: Jupyter Notebook, Google Colab, Git, Power BI, Tableau, Microsoft Excel