

# Yazeed Mohammed Alobaidan

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## EDUCATION

Imam Mohammed Ibn Saud Islamic University | Riyadh

B.S. in Computer Science ( GPA: 4.8 / 5 )

2020 - Present

## TECHNICAL SKILLS

**Programming Languages:** Java, Python (NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib), HTML, CSS

**Machine Learning**

**Deep Learning (TensorFlow, PyTorch)**

**Data Science, Analysis, Visualization**

## PROJECTS

**Arabic Document Classification Using BERT | University Project**

2024

- Fine-tuned a BERT model (asafaya/bert-base-arabic) to classify Arabic documents into six categories.
- Utilized the KALIMAT Arabic Corpus of over 18,000 documents, achieving 94% accuracy and F1-score.
- Processed Arabic text to address complex morphology and dialect diversity.
- Built and evaluated the model using PyTorch, achieving robust classification performance.

**Resistance Rate Tracking System (SIR) | Hackathon Project**

2024

- Developed a real-time system to track and compare resistance rates for various antibiotics and bacteria using Streamlit, Python, and data visualization tools like Altair and Plotly.
- Implemented dynamic, interactive charts and dashboards to provide real-time insights into resistance trends.
- Contributed to improving antibiotic stewardship by offering healthcare professionals a tool to monitor and address antimicrobial resistance.

**Automated Data Science and Machine Learning website | Personal Project**

2024

- Developed a Streamlit web app for automated machine learning and data science tasks.
- Features include dataset upload, EDA, data visualization, and model building.
- Supported classification and regression tasks with multiple machine learning models.
- Provided model download functionality as a pickle file.
- Used Streamlit, Python, scikit-learn, pandas, Plotly, Pickle.

**Breast Cancer Classifier | Personal Project**

2024

- Features include EDA, data visualization, model building, evaluation, and predictions.
- Provided model evaluation metrics and ROC curve visualizations for comparing model performance.
- Enabled user input for real-time predictions and achieved 97% accuracy with Logistic Regression model.

**Wordle Solver | Personal Project**

2023

- Created a Python program capable of confidently solving any Wordle game.
- Used Python

## EXPERIENCES

- Completed AI course through Samsung Innovation Campus in partnership with Misk 2024
- Completed SDAIA's Machine Learning Bootcamp 2024
- Supervising Students Capstone's Project by providing technical support, mentorship, feedback, guidance at PASDS and MASAR Machine Learning bootcamp 2024
- CCIS Hackathon Organizer 2023
- CCISSTCO Python Bootcamp Organizer 2023
- Member of Student Council at CCIS 2023 - 2024
- Member of Google Developers Student Club at CCIS 2022 - 2023