amjad awad

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Education

An-Najah National University | Nablus, Palestine
Artificial Intelligence | 08/2026

- *Bachelor of Science in Artificial Intelligence*
- *GPA:3.68*
- **Relevant Coursework**: Machine Learning, Advanced Machine Learning Topics,NLP, Big Data Engineering, Statistical Analysis,Introduction To Probability Theory, Information Retrieval

Skills

Problem-solving, Research & Development, Team Collaboration, Leadership, Fast learner, Communication skills

Technical skils

- **Languages**: Python (Advanced), C++, JavaScript, Scala, SQL
- **AI/ML**: TensorFlow, scikit-learn, NLTK, Spark NLP
- **Data Tools**: Pandas, NumPy, MongoDB, Elasticsearch/Kibana, spark
- **DevOps/MLOps**: Git, Kafka

Projects

1. Vocalis
GitHub: github.com/amjadAwad95/Vocalis
Tools: Python, Pycord, Google Gemini
An AI-powered presentation assistant integrated into a Discord bot. Vocalis provides detailed feedback on presentations, including voice analysis (speed, volume, tone, pitch, emotions, filler words, and pauses), content structure, strengths and weaknesses, fluency, and personalized improvement recommendations.

2. Sentiment Analysis
GitHub: github.com/amjadAwad95/sentiment-analysis
Tools: Python, Scikit-learn, Matplotlib, Pandas, PyStemmer
A sentiment analysis project that classifies text into positive or negative categories using preprocessing techniques, regular expressions, and feature extraction. Implemented in a Jupyter Notebook for easy experimentation and visualization.

3. CNN Image Classification (CIFAR-10)
GitHub: github.com/amjadAwad95/CNN-Image-Classification-CIFAR10
Tools: Python, TensorFlow
Developed and trained a Convolutional Neural Network (CNN) to classify images from the CIFAR-10 dataset into 10 categories (e.g., airplanes, cars, birds). Focused on improving the baseline model through architecture modifications and hyperparameter tuning.

4. Entity-Relationship Extraction with POS Tagging
GitHub: github.com/amjadAwad95/Entity-Relationship-Extraction-with-POS-Tagging
Tools: Scala, Apache Spark, Spark NLP
Used Spark NLP to extract relationships between named entities and their Part-of-Speech tags. Built a Spark ML pipeline to process large-scale text data and demonstrate NLP techniques in distributed environments.

5. Diabetes Prediction
GitHub: github.com/amjadAwad95/diabetes-prediction
Tools: Python, Scikit-learn, Matplotlib, Pandas
Built a machine learning model to predict diabetes likelihood based on 22 health, lifestyle, and socioeconomic features. Trained and evaluated the model on a dataset of over 70,000 samples to assist in early detection.

6. Twitter Stream Processing Pipeline
GitHub: github.com/amjadAwad95 *(repo link unspecified)*

Tools: Python, Scala, Apache Kafka, Apache Spark, Elasticsearch, Kibana
Designed a real-time pipeline to process live Twitter streams for sentiment analysis, trending hashtag detection, and visualization. Integrated with Elasticsearch and Kibana for search and dashboarding capabilities.