

# AYA SHIBBI

## MACHINE LEARNING ENGINEER - DATA SCIENTIST

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### PROFILE

Motivated Computer Science graduate with a solid foundation in Machine Learning and Data Science. I have hands-on experience in developing machine learning models, conducting data analysis, and implementing deep learning techniques. I am eager to contribute my skills and continue to grow in a role in the fields of Machine Learning and Data Science.

### PRACTICAL EXPERIENCE

#### Voice-to-Text Emotion Detection

[Check project](#)

Natural Language Processing - Machine Learning - Deep Learning Audio Data Processing

- **Audio Data Processing:** Developed Voice-to-Text models using SpeechRecognition, Vosk, and Whisper (OpenAI).
- **Text Preprocessing with NLP:** Preprocessed text data using Natural Language Processing techniques and explored various vectorization(text-to-numerical) techniques.
- **Machine Learning Model Development:** Implemented and compared traditional Machine Learning algorithms and Deep Learning models (LSTM) for text emotion detection.
- **Data Analysis and Visualization:** Utilized Scikit-learn, Pandas, Seaborn, and Matplotlib to analyze data and visualize results, strengthening my analytical and technical skills.

This project improved my research, model development, and data analysis skills

### WORK EXPERIENCE

#### Research Internship

June 2024 - July 2024

AZRE Consulting LLC

- Conducted in-depth research on various AI and Digital transformation using academic databases and online resources.
- Demonstrated strong communication skills by effectively reporting progress through weekly meetings
- Managed time efficiently to meet deadlines and deliver high-quality work.

### SKILLS AND COURSES

- **Technical Skills:** Machine Learning, Natural Language Processing, Deep Learning, Data Visualization, Database Systems, Software Engineering, Technical Writing Skills.
- **Soft Skills:** Analytical skills, Problem-solving skills, Communication, Teamwork, Presentation skills, Research Skills.
- **Tools and Frameworks:** Python, SQL, PyTorch, Google Colab Notebook, Microsoft SQL Server Management.
- **Certifications:** *DataCamp*: Intermediate Python, Data Manipulation with pandas, Supervised Learning with scikit-learn, Unsupervised Learning in Python, Introduction to Deep Learning with PyTorch

### EDUCATION

#### Bachelor of Science in Computer Science

Lebanese International University

Oct 2021 - June 2024

GPA: 3.92/4.0

### LANGUAGES

**Native:** Arabic

**Professional working proficiency:** English