

# Joudy Sabbagh

+961 81819163 | joudy.f.sabbagh@gmail.com | www.linkedin.com/in/joudy-sabbagh

## Education

### BE in Computer Science Engineering

American University of Beirut (AUB)

Beirut, Lebanon

Sept 2021 - Current

- **Courses:** Machine Learning, Data Structure and Algorithms, Program Language Design and Implementation, Operating Systems.

### Continuous Education

Online Learning

- Transformers for Natural Language Processing
- Introduction to Blockchain for Financial Services - INSEAD
- Problem Solving with Software - Duke University

Summer 2024

Winter 2022

Summer 2020

Workshops and Programs

- Amazon Industry Program 3.0 Boot-camp: ML track
- Design, Market Research, and Pitch Workshop

Summer 2024

Fall 2023

## Work Experience

### Procure Guard

Co-Founder - Software Engineer

Beirut, Lebanon

Sept 2023 - Current

- Initiated a prize-winning software solution at 'Coding4Integrity' Hackathon, evolving it from a winning prototype into a startup.
- Designed an innovative system integrating Document AI, Sentiment AI, and SQL database for comprehensive compliance and risk oversight.
- Presented at COSP10 as a pioneering youth delegate, showcasing project successes and advocating for youth anti-corruption initiatives.
- **Technical Skills:** Python, AI technologies, cloud services, and database management.

### Push2Shop

Machine Learning Intern (Remote)

Thessaloniki, Greece

May 2023 - Aug 2023

- Mastered AI and ML fundamentals, focusing on NLP techniques with spaCy for text analysis and data extraction.
- Developed and trained an Arabic NLP tool to improve product categorization and market insights for supermarkets and brands.
- Led dataset creation and annotation for a top Saudi supermarket, enhancing an Arabic language model's accuracy and development.
- **Technical Skills:** Python, spaCy (NLP), NumPy, and BitBucket.

## Achievements

2023 **First Place**, Coding4Integrity Hackathon - UNODC, ACTA, and Microsoft Qatar

Qatar

2023 **Best Startup Idea**, Beyond an Engineer - AIESEC and IEEE AUB branch

Lebanon

## University Projects

### AI Career Matchmaker

American University of Beirut

Beirut, Lebanon

Fall 2023

- Develop a machine learning model that analyzes resumes (CVs) to identify the most appropriate job match.
- **Technical Skills:** Python, Data analysis, NLP, TF-IDF, Random Forest.

### Client/Server Chat Room

American University of Beirut

Beirut, Lebanon

Fall 2023

- Developed a Python-based client-server chat room, applying socket programming, multithreading, and synchronization.
- **Technical Skills:** Python, Network/Socket Programming.

## Extra-Curricular

### University Clubs

DDD Club - President

2024 - present

- Organized and Led "Introduction to Debates" workshop, covering Argumentation, Critical Thinking, Refutation Skills, and Logical Fallacies.

ACM Club - AI Officer

2024 - present

- Developed and implemented AI initiatives, organized educational workshops, and fostered community engagement.

180 DC Consultancy Club - Consultant

2023 - 2024

- Developed and proposed marketing strategies for AI Younbouh NGO, aimed at boosting engagement for children with disabilities.