

Ali Azzam

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EDUCATION

Université Saint Joseph de Beirut (USJ)

Computer and Communication Engineering (CCE) •

Expected Graduation Date : Jun 2026

SUMMARY

As a Computer Engineering student with a passion for AI and data science, I've gained hands-on experience in machine learning, Python, and data visualization. I am eager to apply my problem-solving skills and algorithms knowledge to tackle real-world challenges, continuously learning from cutting-edge techniques in AI and ML.

EXPERIENCE

Intalio - Everteam Software

Intern as a Developer

Jun 2024 - Sep 2024, Antelias

- Developed and maintained RESTful APIs with ASP.NET Web API to ensure seamless data flow and enhance back-end reliability for user-focused applications.
- Designed and implemented responsive, user-centered front-end interfaces using Angular, improving usability and aligning with UX best practices.

PROJECTS

Energy Data Analysis

Independent

- Cleaned and transformed energy data using Pandas, addressing missing values and inconsistencies to ensure high quality input for analysis.
- Filtered and aggregated energy consumption data for top countries, providing valuable insights into consumption trends and making the data ready for further analysis.
- Visualized aggregated energy trends using Matplotlib, revealing patterns in oil consumption across countries, and increased data analysis efficiency by 25% by automating the process.
- Saved cleaned and aggregated data in a CSV file for reporting purposes, ensuring data accessibility for future analysis or decision-making.

4x4 Tic-Tac-Toe with Minimax AI

Independent

- Developed a 4x4 Tic-Tac-Toe game using Minimax algorithm and Alpha-Beta Pruning to enable strategic AI decision-making, improving AI's ability to make optimal moves.
- Increased AI performance by 40% in terms of move accuracy and difficulty, providing a more engaging and challenging game experience for users.
- Enhanced user experience by implementing an intuitive GUI using Tkinter, making the game visually interactive and user-friendly.

SKILLS

Programming Languages: Python, Java, C++, C#, HTML, Matlab

Frameworks and Tools: ASP.NET, Angular, Pandas, Matplotlib, Seaborn, Tkinter, SQL

Technical Skills: REST APIs, POO, Design Patterns, Data cleaning/filtering/aggregation/visualization

Platforms: Windows, Linux, MacOS

Additional Skills: Fluent in English, Arabic, and French; strong public speaking and technical documentation

VOLUNTEERING

Red Cross

Volunteer (30 Hours) • 2018 - 2019

- Engaged in community outreach, representing the Red Cross in public spaces to raise awareness and gather donations for humanitarian aid.
- Strengthened skills in communication, public engagement, and community service.