

Ahmad Mrad

Phone: +96171365806

Email: ahmadmrad169@gmail.com

Summary

I am a third-year Computer Science student with a strong passion for web development and a solid foundation in **Java, HTML, CSS, JavaScript, Python, and PHP**. I enjoy creating dynamic and user-friendly web applications, writing clean and efficient code, and continuously exploring new technologies. With a keen eye for detail and a problem-solving mindset.

Education

Lebanese International University

Bachelor of Science in Computer Science (2022 – 2025)

Expected graduation year: 2025

Skills

Programming & Web Development:

- Java, HTML, CSS, JavaScript, Python, PHP
- **Front-end:** HTML, CSS, JavaScript
- **Back-end:** PHP, Python
- **Database:** MySQL

Machine Learning & Natural Language Processing:

- Solid foundation in machine learning concepts
- Practical experience with Natural Language Processing (NLP) using Python
- Python for data analysis and scripting

Networking & System Knowledge:

- Networking fundamentals (*Certified by Cisco*)
- Understanding of network security and protocols

Soft Skills:

- Strong problem-solving and analytical thinking
 - Ability to work in a team and adapt to new technologies
 - Effective communication and time management
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Certifications

- **Python Certificate** – *American University of Beirut*
 - **CCNA – Introduction to Networks** – *Cisco*
 - **CCNA – Switching, Routing, and Wireless Essentials** – *Cisco*
 - **Full Stack Web Development**
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Projects

Coding Camp – Interactive Course Website

A dynamic web platform designed for an **online coding camp**. It allows users to **register, log in, and enroll in programming courses**. The website features a **responsive interface, secure authentication, and structured course content**.

Key Features:

- **User Authentication:** Secure login/logout system with PHP sessions
- **Course Registration:** Users can register for courses with a confirmation message
- **Dynamic Content:** Courses and descriptions are displayed dynamically
- **Modern UI:** Styled with HTML, CSS, and jQuery for a smooth user experience
- **Technologies Used:** PHP, MySQL, JavaScript (jQuery), HTML, CSS
- **GitHub Repository:** github.com/AhmadMrad/codeSphere

Resume-Matching Application – NLP Project

Developed a Natural Language Processing (NLP) application to semantically match resumes with job descriptions using Python and Gradio.

Key Features:

- Extracted skills, education, and experience using spaCy and custom parsing logic
 - Used Sentence Transformers and cosine similarity for semantic skill matching
 - Implemented skill clustering with ESCO taxonomy and role relevance for experience scoring
 - Designed an interactive Gradio interface for uploading resumes and visualizing match scores
 - **Technologies Used:** Python, spaCy, Sentence Transformers, Gradio
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Languages

- **Arabic:** Native
 - **English:** Fluent
 - **French:** Intermediate
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