

Aya Saati

Aspiring Software Engineer

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Professional Summary

Aspiring Software Engineer with a strong foundation in Computer Science and hands-on experience across full-stack, mobile, and machine learning development. Skilled in designing and implementing scalable applications using modern frameworks and programming languages. Known for strong problem-solving abilities, adaptability, and a passion for continuous learning. Dedicated to building innovative, data-driven, and user-centered software solutions that bridge technology and real-world needs.

Education

42 Beirut – Beirut, Lebanon

May 2025 – Present

Core Curriculum Student

Successfully completed the intensive *Piscine* training in C within a peer-to-peer, project-based environment and advanced as a 42 student in the core curriculum.

Achievements:

- Strengthened problem-solving and algorithmic thinking through multiple C-based projects.
- Demonstrated adaptability and the ability to learn quickly under pressure.
- Collaborated effectively in a self-directed, team-oriented learning environment.

Lebanese International University Beirut, Lebanon

October 2021 – June 2024

B.S. in Computer Science.

Excellent inclusion of Dean's List and graduation with distinction. (GPA:3.88/4.00)

Experience

ZAKA – Beirut, Lebanon

September 2024 – May 2025

Machine Learning Engineer Intern

Completed the 20-week Machine Learning Specialization training program to prepare for a Machine Learning Engineer position. The program covered the following topics: fundamentals of Data Science, Machine Learning algorithms, Deep Learning, Computer Vision, Natural Language Processing, ML in Production, and ML in Research.

- Designed and implemented advanced Machine Learning and Deep Learning solutions.
- Developed strong problem-solving skills through coding challenges.
- Applied best practices in Machine Learning and Deep Learning development.

XpertBot - Beirut, Lebanon

February 2024 - Present

Laravel Web Development Internship

Gained practical experience in web development utilizing the Laravel framework and MVC architecture. Involved in database management, implementing routing and middleware, and developing APIs. Proficiently used Git for version control.

Achievements:

- Developed and implemented APIs using Laravel and Postman.
- Implemented routing and middleware for application flow control.
- Gained practical experience with database migrations and authentication techniques.

XpertBot - Beirut, Lebanon

February 2024 - Present

Mobile Development Internship

Description: Gained hands-on experience in cross-platform mobile application development using the Flutter framework and Dart language. Involved in UI design, state management implementation, and API integration to build dynamic and responsive applications. Utilized Git for version control.

Achievements:

- Implemented state management solutions for dynamic application behavior.
- Enhanced proficiency in Dart programming language.
- Gained practical experience in mobile project structuring for scalability

Projects

ZAKA Capstone Project: Recipe Recommendation System

Description:

Built an LLM-driven system to recommend recipes based on image inputs, utilizing semantic analysis and a vector database for efficient retrieval, with API deployment via a web framework and containerization.

Achievements:

- Integrated LLMs for semantic feature extraction from images.
- Implemented a vector database for efficient similarity search.
- Deployed a RESTful API for accessing recipe recommendations.

Technologies: Lang chain, Hugging Face, Chroma DB, Flask, Docker, Python

Full Stack Senior Project, DermaGlow Skin Care Website

Description:

An easy to use E-Commerce skin care website that helps beginners understand their skin type through an algorithm built quiz based on expert's questions. The algorithm will also display a wide range of products based on their determined skin type, allowing them to customize their own routine.

Achievements:

- Assisted clients in finding their skin type based on experts' solutions.
- Determined what products best suits each client based on recommendations
- Presented quality and premium selection products
- Provided clients with personal skin care routine and guidance

Technologies: LINQ, HTML5, CSS3, JavaScript, Bootstrap, Laravel, PHP, AJAX, JQUERY, MYSQL

Full Stack Web Project, Secrets Cake Website

Description:

An easy to use E-Commerce cakes shop website that displays cake items to customers and saves data to the database.

Achievements:

- Displayed cakes and sweets description, images and prices.
- Implemented Login/out services for both client and admin.
- Implemented ability to add/remove from cart and shop easily
- Implemented responsiveness for the website to be available on all platforms

Technologies: LINQ, HTML5, CSS3, JavaScript, Bootstrap, Laravel, PHP, AJAX, JQUERY, MYSQL

Mobile Project, Hotel Reservation Application

Description:

An easy to use mobile application that helps the customer book a hotel reservation with different specifications.

Achievements:

- Provided options for clients to customize their hotel reservation type.
- Extracted clients' data from forms to be used in reservation confirmation and payment.

Technologies: Dart, Flutter, API, JSON...