

Youssef Itani

42 Student – Level 11+

📞 78-886-946 ✉️ youssef.itani.11.11@gmail.com 🔗 linkedin.com/in/youssef-itani-137587358/ 🌐 yousseff907

Education

42 Beirut - Level 11+

April 2025 – Present

42 Core Curriculum - Architecture of Digital Technologies Program

Beirut Arab University

2024 – Present

Bachelor in Computer Engineering

Selected Projects

March 2026

EasyRecipe - <https://easyrecipe.online> | Python, FastAPI, Docker, GCP, NGINX, SQLAlchemy, OpenAI Whisper, Google Gemini

- Developed RESTful API backend with FastAPI for AI-powered recipe extraction from social media cooking videos (TikTok, Instagram, Facebook)
- Integrated OpenAI Whisper for audio transcription and Google Gemini Flash for recipe analysis and structured data extraction
- Enforced JWT-based authentication system with email verification via Resend API and SQLAlchemy ORM for database management
- Deployed production system on Google Cloud Platform with Docker containerization nginx reverse proxy, and SSL/HTTPS security (Let's Encrypt)

January 2026

Webserv | C++98, HTTP/1.1, CGI, NGINX

- Built a fully functional HTTP/1.1 web server from scratch in C++98, handling concurrent client connections through a single non-blocking poll() event loop
- Executed GET, POST, and DELETE methods with CGI script execution (Python, PHP, Perl), file uploads, and cookie-based session management
- Designed an NGINX-inspired configuration parser supporting multi-server setups, custom error pages, and per-route access rules

December 2025

Inception | Docker, Docker Compose, NGINX, PHP-FPM, MariaDB, Redis, WordPress, Bash, AWS EC2, Debian Linux

- Architected and deployed multi-container Docker infrastructure on AWS EC2 with 8 microservices (NGINX, WordPress, MariaDB, Redis, Adminer, Netdata, FTP, static site)
- Implemented SSL/TLS security, reverse proxy configuration, and Docker bridge networking for secure inter-container communication

Technical Skills

Languages: C, C++, Python, Java, SQL, Bash, Assembly, HTML, Dart

Developer Tools: Valgrind, GDB, VS Code, Eclipse, Clion, PyCharm, MPLAB X, Makefile

Technologies/Frameworks: Linux, Git/GitHub, WordPress, Flutter, FastAPI, SQLAlchemy

Cloud & Deployment: Google Cloud Platform (GCP), AWS EC2, Docker, Nginx, SSL/HTTPS (Let's Encrypt)

Project Management tools: JIRA

Relevant Coursework and Workshops

- Extra curricular Cybersecurity Piscine – 42 Beirut **October 2025**
- Extra curricular Mobile Development Piscine – 42 Beirut **November 2025**
- Jira Project Management Workshop - CMA CGM **July 2025**
- ReactJS Workshop – 42 Beirut **July 2025**

Extracurricular Activities

June 2024 – April 2026

Personal Fitness Coach | SPI Certified Personal Trainer, LASIP First Aid & CPR

ProGym (January 2025 – April 2026)

Kx Fitness Gym (June 2024 – December 2024)

- Led personalized fitness programs for diverse clientele ranging from teenagers to seniors.
- Built strong client rapport and motivation through effective, empathetic communication to help individuals navigate training challenges.

Spoken Languages

- English
- French
- Arabic