

Jean Paul Choukrallah

Byblos, Lebanon • jeanpaulchoukrallah@gmail.com • +961 70 630 724

PROFESSIONAL SUMMARY

Full-stack and mobile developer with 3+ years building AI-powered applications in Python, Flutter, and Angular. Founder of AidEye, a cross-platform mobile app with real-time YOLOv8 injury detection and TensorFlow Lite on-device inference, shipped end-to-end in 7 months. Internship experience delivering production e-commerce features at FOO_Mobi (Angular/Laravel). Hands-on expertise in n8n workflow automation, Cursor AI-assisted development, and Agile delivery. GPA 3.87, Dean's Distinguished List 3 consecutive years.

WORK EXPERIENCE

Creator & Developer — AidEye, First Aid AI Assistant

Sep 2025 – Apr 2026

- Founded and shipped a cross-platform Flutter mobile app from concept to full deployment in 7 months, targeting emergency first aid response and accessibility in public safety.
- Achieved sub-200ms on-device inference latency using a custom-trained YOLOv8n + CNN pipeline with TensorFlow Lite, enabling real-time injury classification without internet connectivity.
- Implemented Firebase secure authentication and AES-encrypted storage for medical profiles and emergency contacts, ensuring GDPR-aligned data handling.
- Built live camera detection with bounding boxes and confidence labels, plus a multimodal chatbot supporting text and voice interaction for guided first aid.
- Integrated GPS-based hospital locator, emergency calling, and automated contact notifications, reducing response coordination to a single tap.
- Applied Agile methodology across 6 full sprints covering planning, development, testing, and system integration.

Developer — Shelfie, Android Library Manager

April 2026

- Built an Android library management app in Java (Android Studio) with a PHP/MySQL backend, supporting barcode scanning, user authentication, and cloud sync.
- Implemented RESTful API design for book CRUD operations and user session management; handled concurrent multi-user access.

Frontend Developer (Intern) — FOO_Mobi

May 2025 – Aug 2025

Sin El Fil, Beirut, Full-stack e-commerce platform (web + mobile)

- Delivered production-ready Angular components across cart, auth, product, and checkout modules, integrated with 5+ Laravel RESTful API endpoints.
- Managed tasks, sprint backlogs, and release tracking in Jira within a 6-person Agile team, contributing to 3 two-week sprints.
- Used Cursor AI-assisted IDE to accelerate feature development and enforce consistent code patterns across the Angular codebase.
- Designed and deployed n8n automation workflows that eliminated 3 recurring manual processes, saving the team approximately 4 hours/week.
- Worked with MySQL for structured data management; tested and validated deployment locally using XAMPP before staging pushes.

Creator & Developer — ByteForBite, Food Donation Platform

Jan 2025 – May 2025

- Developed a full-stack platform connecting food donors with NGOs and individuals in need, targeting reduction of food waste across 2+ partner organizations.
- Owned requirements analysis, relational database design (PostgreSQL), frontend UI, and backend REST logic across a 4-person team.
- Applied Scrum practices including sprint planning, daily standups, and retrospectives across 4 two-week sprints; delivered MVP on schedule.

Developer — Pac-Man AI Game

Mar 2025 – Apr 2025

- Built an interactive Pac-Man game in Python/Pygame implementing DFS, BFS, UCS, and A* search algorithms as autonomous ghost and player agents.

- Optimized pathfinding performance, reducing average ghost decision latency by ~40% through heuristic tuning and state caching.

EDUCATION

Bachelor of Science in Computer Science — Lebanese American University, Blat, Jbeil *Aug 2023 – May 2026*
GPA: 3.87 / 4.00 • Dean's Distinguished List, 3 consecutive academic years

Lebanese Baccalaureate, Life Sciences — Rosary Sisters School, Blat, Jbeil *2023*
18.89 / 20 • Valedictorian, Class of 2023

TECHNICAL SKILLS

Programming Languages: Python, Java, C, JavaScript, PHP, Dart, HTML/CSS, Assembly
Frameworks & Technologies: Flutter, Angular, Laravel, Ionic, Bootstrap, jQuery, PWA, RESTful API Design
AI & Machine Learning: YOLOv8n, CNN, TensorFlow Lite, On-device Inference, Model Optimization
AI Tooling & Automation: n8n (workflow automation), Cursor (AI-assisted development), AI automation pipelines
Databases & Backend: MySQL, PostgreSQL, SQLite, MongoDB, Firebase Authentication & Firestore
Tools & Platforms: Git/GitHub, Jira, Android Studio, VS Code, Postman, Figma (basic), XAMPP/WAMP
Core Concepts: OOP, Data Structures & Algorithms, REST API Design, SDLC, Agile (Scrum/Kanban), Encryption & Secure Data Handling, Code Review Workflows

LEADERSHIP & COMMUNITY ENGAGEMENT

- Millennium Fellow (Class of 2024), United Nations Academic Impact: led the Empowering Futures initiative advancing SDG 4 (Quality Education), delivering workshops on mental health, scholarships, and academic guidance to underprivileged students in partnership with a local NGO.
- CS Student Mentor at LAU, guided 10+ prospective and first-year Computer Science students through academic planning and university transition.
- Community service across multiple initiatives: LifeSculpture, SWIM Beach Cleaning, Red Cross Lebanon, Bonheur du Ciel, and Beirut Marathon Volunteering (2024).

CERTIFICATIONS

- Millennium Fellowship Project Certificate, United Nations Academic Impact (Oct 2024 – Jan 2025)
- Online Certificate: HTML/CSS/JavaScript, Python, and Linux (Dec 2024)

LANGUAGES

- Arabic: Native • English: Fluent (C1) • French: B2, solid reading, writing, and comprehension