

Ala Mdalla

<https://alamdalla.vercel.app/>

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EDUCATION

- **ESPRIT – Private Higher School of Engineering and Technology** Tunis, Tunisia
Bachelor's Degree in Software Engineering; GPA: 3.66/4.0 Sep. 2021 – Expected Jun. 2026
- **Carthage Byrsa High School** Carthage, Tunisia
Baccalaureate in Mathematics Jun. 2021

EXPERIENCE

- **CustomapsxEnsemble** Montreal, Canada (Remote)
Software Developer Intern Oct. 2024 – Jan. 2025
 - **Debugging and Optimization:** Contributed to debugging efforts in a legacy codebase written in PHP and vanilla JavaScript, enhancing application stability and performance.
- **Hydatis** Tunis, Tunisia
Software Developer Intern June 2024 – August 2024
 - **Full-Stack Web Development:** Developed a dynamic business website using Angular, Spring Boot, and MongoDB, demonstrating expertise in modern web technologies.
 - **Backend Testing:** Explored and implemented Spring Boot testing practices, including unit and integration testing, to improve code reliability and maintainability.
- **Marimex** Tunis, Tunisia
Software Developer Intern June 2023 – August 2023
 - **Dynamic Website Development:** Built a full-stack web application using Angular, Node.js, and MongoDB, enhancing the company's digital presence.
 - **Authentication:** Implemented secure authentication using JWT tokens and HTTP-only cookies, following best practices for security and session management.
- **Tunisair** Tunis, Tunisia
Software and Network Intern June 2022
 - **PHP Email Automation:** Developed a script using PHPMailer to automate client email notifications, streamlining communication processes.
 - **Networking Skills Development:** Worked with Cisco routers and networking protocols, enhancing troubleshooting skills and knowledge of infrastructure.

PROJECTS

- **Problem-Solving Microservice** Jan. 2024 – May 2024
 - **Microservice Development:** Designed and implemented a microservice for problem creation, submission, and evaluation, ensuring secure API integration and clean architecture. Applied **SOLID** principles and patterns such as **Builder** and **Strategy**. Dockerized for seamless deployment. GitHub
- **Avanti** Jan. 2023 – May 2023
 - **Dynamic Website:** Built a visually rich and dynamic website using **Bootstrap**, **HTML**, **CSS**, **JavaScript**, **PHP**, and **MySQL**. GitHub
- **Event Planner** Jan. 2022 – May 2022
 - **Qt Desktop App:** Built a **Qt** application integrated with **MySQL** using **C++** to manage events with a user-friendly GUI. GitHub
- **The Time Jumper** Jan. 2021 – June 2021
 - **2D Game Development:** Created a graphical platformer game in **C** using **SDL 1.2**, with custom image assets designed in **Photoshop**. GitHub

CLUBS & ACTIVITIES

- **AIESEC Bardo** Tunis, Tunisia
Member *Oct. 2023 – Jul. 2024*
 - **Leadership and Engagement:** Participated in youth leadership programs and local projects aimed at personal development, global awareness, and community impact.
- **ACM INSAT** Tunis, Tunisia
Problem Solving Member *2022*
 - **Algorithmic Thinking:** Joined ACM chapter to enhance skills in competitive programming and algorithmic problem solving through regular training sessions and contests.

SKILLS

- **Languages:** Java, C#, TypeScript, SQL, PHP
- **Frameworks & Tools:** Angular, Spring Boot, .NET, Symfony, Docker
- **Databases:** MongoDB, MySQL
- **Others:** Git, REST APIs, JWT, Unit Testing, Agile, CI/CD (basic)