

Tala Diab

Beirut, Lebanon | (+961) 76 012 401 | taladyab@gmail.com | <https://github.com/tdyab>

Professional Summary

Motivated senior computer science student with a passion for software development. Gained hands-on experience and developed practical skills across multiple fields of computer science including database management, web development and user interface design. Skilled in teamwork and communication skills, demonstrated through various group projects.

Education

Bachelor's in Computer Science, *American University of Beirut*
Minors in Mathematics and Philosophy

08. 2022 – 12. 2026

High School Graduate, *Ras Beirut International School*
GPA: 18/20

05. 2022

Projects

Sentiment Analysis for Mental Health Text | *Python, Jupyter Notebook*

01. 2025 – 05. 2025

- Built a text-based machine learning sentiment classification model using Python (Jupyter Notebook), processing mental health-related statements to classify sentiment (positive/negative/neutral).
- Performed data preprocessing, model training, evaluation and reporting to draw insights from text data.

2U | *Android (Kotlin), Java, FastAPI, Figma*

08. 2025 – 12. 2025

- Worked in a 3-member team and design and develop a native Android home services mobile application that connects users with home service providers with transparent pricing and ratings.
- Led UI/UX design using Figma, integrated a FastAPI backend, Google Maps location tracking and an AI-powered assistant feature.

KourseKit | koursekit.com | *React, JavaScript, Java, REST APIs, MySQL*

1. 2026 – 5. 2025

- Collaborated in a 5-member team to design and build a full-stack academic planning web application supporting course tracking, GPA calculation and peer reviews.
- Implemented JWT authentication, end-to-end encryption, profile picture uploads and a dark mode theme system.
- Optimized database performance through indexing, pagination, enforced rate limiting to prevent abuse and added input validation for security.

Skills, Languages, & Others

Technical Skills:

- **Programming Languages:** *Java, Python, C, C++*
- **Mobile Development:** *Android (Kotlin)*
- **Frontend:** *React, HTML, CSS, JavaScript, TypeScript*
- **Backend:** *FastAPI, REST APIs, SpringBoot, Node.js, JWT*
- **Databases:** *SQLite, MySQL*

Soft Skills: Teamwork, Problem Solving, Communication, Creativity

Languages: **English** (Fluent); **Arabic** (Native)
