

Laith Amro

amrlaith05@gmail.com | +970-59-470-6357 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Computer Science student at Birzeit University with a track record of shipping real products, including Rayyeh, an iOS app currently live on the App Store, plus backend systems built on PostgreSQL, Node.js, NestJS, and Flask. Comfortable across the stack, from API design and testing with Postman and Swagger to containerized deployment with Docker and Railway, to building interfaces in SwiftUI and React. Looking for a data engineering internship to bring that same hands on, ship it mindset to a team that builds things people actually use.

EDUCATION

Birzeit University, B.S. in Computer Science Palestine, West Bank

2023 - Present

- Relevant coursework: Database Systems, Data Structures, Algorithms, Software Engineering, Operating Systems, Computer Networks, Web Development, and Artificial Intelligence.

SKILLS AND INTERESTS

Languages: Python, SQL, Java, TypeScript, JavaScript, Dart, Swift, Kotlin, C

Frameworks & Tools:

Data / Databases: PostgreSQL, MySQL, Redis, SQL schema design, data cleaning, PCA, k-means, TF-IDF

Backend: Node.js, Express, NestJS, Flask, REST APIs, JWT, database migrations, Docker

Analysis / ML: Jupyter, pandas, scikit-learn, TensorFlow, PyTorch, Matplotlib

Frontend / Mobile: React, Angular, Flutter, SwiftUI

Developer Tools: Git, Linux, Playwright, Vite, Postman, Swagger, Railway

Spoken Languages: Arabic (Native), English (C1 Proficiency)

TRAINING COURSES

Udacity - JavaScript Full Stack Developer Nanodegree

Oct 2025

Udacity - AI Programming with Python and TensorFlow Nanodegree

Dec 2025

Udacity - Machine Learning with TensorFlow

Mar 2026

SELECTED PROJECTS

Rayyeh - iOS Application (SwiftUI / Swift)

2026

- Built and published Rayyeh, an iOS app live on the App Store, using SwiftUI for the interface and Swift for the underlying app logic.

Abaad Contracting Management System - Database / Backend System (Flask / Python)

2026

- Designed a Flask based management system with relational models for projects, employees, clients, and suppliers, plus analytics dashboards for business reporting.

StoreFront Backend - RESTful API (Node.js / PostgreSQL)

2025

- Implemented a TypeScript/Express API with PostgreSQL tables for users, products, orders, and order items, including migrations, JWT auth, and test setup.

Identify Customer Segments - Unsupervised Learning (Python / Jupyter)

2026

- Cleaned and preprocessed demographic/customer datasets, engineered mixed features, reduced dimensionality with PCA, and clustered segments using k-means.

News Classifier - Text Classification (Python / scikit-learn)

2025

- Built a text classification workflow using TF-IDF features and Logistic Regression/Decision Tree models to classify AG News headlines into 4 categories.

OPEN SOURCE CONTRIBUTIONS

Aden Hive - Open source Python framework for autonomous AI agents (Python / pytest)

- Analyzed a pytest collection failure caused by package namespace collisions and proposed a structural fix to restore test execution.

LEADERSHIP EXPERIENCE

AWS Student Builder Group, BZU Branch - Head of PR

2026 - Present

- Leading public relations for the AWS Student Builder Group chapter at Birzeit University, promoting cloud computing events and initiatives to the student community.

IEEE Xtreme Programming Competition, Participant

2024 - 2025

- Competed with Birzeit University's programming team in a 24 hour international algorithmic contest.

KMUN, Security Council - Honourable Mention, King Academy

Feb 2023

- Represented a delegation on the Security Council committee and received an Honourable Mention at King Academy's Model United Nations conference.

ASP MUN - Chair

2022

- Chaired committee sessions, guiding delegate debate and resolution drafting.

PALMUN - Chair

2023

- Chaired committee sessions, facilitating structured debate and consensus building among delegates.