

Assil Sabbagh

Computer Engineering Student

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SUMMARY

Computer Engineering student at Beirut Arab University (September 2023 – Expected June 2027) interested in full-stack development, artificial intelligence, and practical software solutions. Currently building skills through academic projects and an online Full-Stack Development course, with experience in Python, web development, machine learning basics, and embedded systems.

EDUCATION

Beirut Arab University (BAU), Lebanon

September 2023 – Expected June 2027

Bachelor of Computer Engineering, (GPA: 3.77/4)

PROJECTS

Smart Glasses for the Visually Impaired

University Project | Computer Architecture | [GitHub](#)

- Designed a wearable assistive system using Raspberry Pi, camera modules, and embedded hardware to support visually impaired users.
- Implemented YOLO-based object detection with audio feedback and GPS-based location support for navigation assistance.

Customer Churn Prediction - Logistic Regression AI Project

University Project | Intro to AI | [GitHub](#)

- Built a machine learning model using Python and Logistic Regression to predict telecom customer churn.
- Cleaned and prepared the dataset, encoded categorical features, scaled data, and evaluated the model with around 81% testing accuracy.

Blockchain-Based Document Verification Web Application

University Project | Software Engineering | [GitHub](#)

- Developed a full-stack document verification platform using Django REST Framework and React/Vite.
- Implemented document upload, SHA-256 hashing, simulated blockchain records, verification, risk level classification, and trust score features.

SKILLS

Programming: Python, C, C++, Java, Assembly, HTML, CSS, SQL

AI & Data: Machine Learning Basics, Data Preprocessing, Classification Models, Data Visualization

Development & Databases: React, Django REST Framework, REST APIs, MySQL, Database Design, Git, GitHub

Hardware & Engineering Tools: Raspberry Pi, Arduino, ESP32, Microcontrollers, Sensors, MATLAB, MPLAB, LabVIEW

LANGUAGES

Arabic (Native), English (Fluent), Turkish (Basic)