

Layal Shakhashiro

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Highly motivated and diligent developer, possessing a strong aptitude for design, critical thinking, and problem-solving, coupled with a profound passion for technology and science. I am actively seeking a job position that allows me to showcase my skills and knowledge while working with other skilled team members.

EXPERIENCE

Lab Instructor

Jan 2025 – Present

Beirut Arab University

Lebanon, Beirut

- Assisting in delivering lab sessions for undergraduate computer science courses, helping students write efficient and correct code.
- Evaluated assignments and exams with constructive feedback to aid student improvement.
- Worked closely with professors and fellow TAs to enhance lab curriculum and instruction methods.

Frontend Developer

Mar 2025 – Sept 2025

xedu.app

Remote

- Worked on the enhancement and maintenance of an existing educational mobile application built with Flutter(xedu), focusing on improving UX/UI and fixing legacy code issues.
- Introduced performance optimizations and state management solutions to elevate app responsiveness and scalability, using BLoC Architecture and Cubit for State Management.
- Partnered with backend developers and UI/UX designers to refine app architecture, integrate new features, and ensure a consistent user experience.
- Integrated third-party SDKs and libraries to extend core app functionalities and streamline development workflows.
- Conducted proactive debugging and profiling to maintain smooth performance across iOS only currently.

Frontend Developer Internship

Jan 2025 – Mar 2025

Aladdin Solutions

Lebanon, Beirut

- Contributed to the development and maintenance of Flutter-based applications with a focus on enhancing user experience.
- Implemented dynamic and responsive UIs using modern state management practices.
- Collaborated with cross-functional teams to refine app logic, debug existing issues, and integrate third-party APIs.
- Ensured smooth app performance through optimization techniques and consistent code reviews.

Part-Time Python & Scratch Instructor

Jun 2023 – Dec 2024

Ibad Al Rahman Association

Lebanon, Beirut

- Delivered engaging instruction through interactive lessons, live coding demonstrations, and hands-on projects to facilitate active learning.
- Cultivated a collaborative classroom environment that encouraged creativity, critical thinking, and teamwork among students.
- Monitored student progress and assessed learning outcomes to continuously improve course effectiveness and student achievement.

Machine Learning Engineer Trainee

May 2024 – Jun 2024

UQUDO/ZAKA

Lebanon, Beirut

- Successfully built and implemented various machine learning models, specifically CNN models, such as ResNet50 on the dataset from MIDV-2020, achieving 98% accuracy.
- Generated training Dataset based on the dataset MIDV-2020 fields to train our models on.
- Developed a copy-move forgery detection model using the CNN models to detect forgery in ID documents.

EDUCATION

Beirut Arab University

Oct 2021 – May 2024

ZAKA Academy**Jan 2024 – Jun 2024**

- Completed the 20-week Machine Learning Specialization training program to prepare for a Machine Learning Engineer position. The program covered the following topics: fundamentals of Data Science, Machine Learning algorithms, Deep Learning, Computer vision, Natural Language Processing, Computer Vision, ML in Production, and ML in Research.

*Machine Learning Specialization**Lebanon, Beirut*

CERTIFICATES**Google UX Design Professional Certificate***Google*

- Completed 40% of the Google UX Design Certificate program and am currently undergoing the rest of the course.

2023 Google Devathon Contest**Nov 2023***GDSC*

- Achieved 3rd place out of 30 groups participating.

2023 LCPC Lebanese Collegiate Programming Contest**Sep 2023***LCPC*

- Achieved 14th place out of 60 groups participating, which contributed to our university ranking in the top 4 universities in the contest.

Microsoft Office Specialist: Excel Associate (Office 2019) certified**Mar 2023***Microsoft*

PROJECTS**Lions International Portal | *Nuxt.js, Firebase*****Jul 2025 – Aug 2025**

- Developed a web portal with a secure dashboard for managing Lions Clubs operations, including club membership, payment tracking, and administrative workflows. Implemented role-based access, real-time data synchronization, and user-friendly interfaces to streamline club and member management.

Copy-move forgery in ID documents, Machine Learning Specialization - Creator**May 2024 – Jun 2024**

- Successfully built and implemented various machine learning models, specifically CNN models, such as ResNet50 on the dataset from MIDV-2020, achieving 98% accuracy.
- Generated training Dataset based on the dataset MIDV-2020 fields to train our models on.
- Developed a copy-move forgery detection model using the CNN models to detect forgery in ID documents.

SugarSense Application | *Flutter, Dart, Python, sqflite***Jan 2024 – Jun 2024**

- Developed a functional mobile application that streamlines and optimizes insulin calculation to provide diabetic users with a user-friendly and effective tool for managing their glucose levels.

Tour Guide Website | *Html, CSS, JavaScript, PHP***Feb 2021 – May 2021**

- Built a full-php web app to allow users to find and book tours whether within or even outside of their country

Sudoku Solver | *Python***Oct 2022 – Dec 2022**

- Incorporated a Deep learning OCR model to solve a sudoku board that detects the board from an image and then solves it.

Green Kingdom | *SQL, HTML, CSS, JavaScript, PHP***feb 2023 – May 2023**

- Developed a comprehensive PHP-based website that empowers users to explore a diverse range of plant species, access informative content, and seamlessly purchase seeds and fertilizers. This was accomplished by leveraging a meticulously crafted SQL database.

EXTRACURRICULAR ACTIVITIES**CPC club Member****2022 – 2024***Beirut Arab University*

- Attended a two-hour practice weekly of which include problem solving and analytical coding problems.

Volleyball player**2022 – 2024**

Beirut Arab University Varsity team

Member of Girls scouts of Beirut

2015 – Present

Ibad Al Rahman Scouts

- Serving as a top elected youth leader in a troop of 8 scouts, a role that includes leading meetings, planning events and teaching skills to others.

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, NoSQL, Dart, JavaScript, HTML, CSS, PHP, Scala, Ruby, C#, SQLite

Frameworks: React, Nuxt.js

Developer Tools: Figma, Firebase, VS Code, Flutter, Microsoft Excell, Adobe Photoshop, Linux Bash Commands, Git

SOFT SKILLS

Teamwork, communication skills, perseverance, problem solving, flexibility, detail-oriented