

Mohammed Osman

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PROFESSIONAL SUMMARY

Motivated Computer Science student seeking a position to apply for and expand my skills in programming, software engineering, and database management. Eager to gain hands-on experience and strengthen communication abilities in a dynamic, professional environment.

EDUCATION

American University of Beirut | Beirut, Lebanon

Bachelor of Science in Computer Science

Expected graduation year: 2026.

- Clubs and Societies: Computer Science Student Society - Social Work Club
- Coursework: Introduction to programming - Discrete Structures - Algorithms and Data Structures - Web Programming and Design - Database Systems - Computer Organization and Designs - Numerical computing - Operating System - Natural Language Processing – Mobile Development

EXPERIENCE

Telecel AI | Computer Vision & OCR Intern

Aug 2025 – Sep 2025

- Built an **OCR pipeline** for Machine Readable Zone (MRZ) extraction from passports and IDs using **Python, OpenCV, EasyOCR, and Tesseract**
- Implemented TD3 compliance checks with check-digit validation, error correction, and field extraction logic
- Developed preprocessing and postprocessing modules to improve OCR accuracy

IDS Solutions | Full Stack Development Intern

May 2024 – July 2024

- Developed a full-stack Activity Club web application using **ASP.NET, C#, SQL Server, and Entity Framework Core**
- Built dynamic, responsive UI with HTML, CSS, JavaScript, jQuery, and AJAX
- Implemented Web APIs for seamless frontend-backend integration

PROJECTS

Baby Cry Classification | AI Sound Detection (Team Project)

AI Bootcamp Participant

- Collaborated in building a machine learning model to classify baby cries by emotional states using audio data.
- Performed sound preprocessing, data labeling, and trained the classification model on relevant datasets.
- Conducted model evaluation and performance tuning to improve accuracy.
- Developed a simple user interface (UI) to demonstrate and interact with the classification model's output.

Cloud Storage Web App

- Developed a full-stack cloud storage platform simulating Google Drive features, including file upload/download and folder organization.
- Designed RESTful APIs with Node.js and MySQL, and built a responsive, user-friendly interface with vanilla JavaScript.

SmartGram | Instagram Post Optimizer (Team Project)

- Built a responsive, modern interface using HTML, CSS (Bootstrap), and JavaScript
- Created interactive UI elements including an animated result display and user-focused goal selection features

MedBrowse | Medical Research Search Platform (Team Project)

- Collaborated on a team project to build a medical research search web app, focusing on frontend development using React.
- Designed a clean, responsive user interface with support for dark mode, dynamic result rendering, and seamless page navigation to enhance user experience.

MyFitnessPal | Mobile Fitness Tracker App (Flutter)

- Built a modern mobile fitness tracking application, enabling users to create edit and manage personalized workout plans and exercise logs.
- Designed an intuitive UI with **flutter** featuring workout sessions, exercise, tracking rest, timers and body statistics.
- Developed clean, modular UI components with responsive layouts optimized for mobile device devices

SUMMARY SKILLS

Languages: English Fluent | Arabic Native

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Technical skills:

- **Programming languages:** Java, C++, C#, Python.
- **Databases:** MySQL, SQL Server Management Studio, MongoDB.
- **Web Development:** JavaScript, HTML, CSS, React, NodeJS, DOTNET.
- **Tools and Technologies:** Flutter, FIGMA, Git, Linux, OOP, MATLAB, Microsoft Office Suite (Excel, Word, PowerPoint)□