

Mahmoud Yassin

Software Engineer

✉ mahmoudyassin.dev@gmail.com 📞 +201122144543 📍 Cairo, Egypt LinkedIn Mahmoud Yassin
Instagram mahmoud-yassin10 🌐 mahmoud-yassin.com

PROFILE

Software engineering candidate and student founder skilled in Flutter/Dart, Python, Firebase, and Git, with a track record of building impactful apps. Creator of Flousy (AI financial planner) and developer of the AI VAR for Squash (computer vision project in progress). Combines strong technical expertise with critical thinking, leadership, and resilience, proven both in projects and as a Top-50 U17 Squash player in Egypt.

EDUCATION

High School Diploma	09/2022 – 05/26
<i>Dr. Nermien Ismail Schools (NIS)</i>	Port Said, Egypt
4.0 GPA Predicted Valedictorian	
Junior Presidential Leadership Program (NTA)	08/2025 – 09/2025
<i>National Training Academy</i>	Cairo, Egypt
National program emphasizing critical thinking, leadership, teamwork, communication, and problem-solving skills for future leaders.	

PROFESSIONAL EXPERIENCE

Intern	05/2025 – Present
<i>Dr. Nermien Ismail Schools</i>	Remote
<ul style="list-style-type: none"> Collaborated on the NIS Parents app, contributing to small feature updates and stability improvements. Completed assigned tweaks and bug fixes, reproducing issues and resolving them efficiently. Tested new builds end-to-end and filed clear, step-by-step bug reports with evidence. 	
Freelance Developer	05/2023 – Present
<i>Self-Employed</i>	Port Said, Egypt
Delivered websites/apps for local businesses using HTML, CSS, JavaScript, PHP and Flutter.	

PROJECTS

AI VAR for Squash (Computer Vision)	08/2025 – Present
<ul style="list-style-type: none"> Prototyping ball/shot detection from video using Python and basic ML/CV workflows. Iterating on model accuracy, latency, and evaluation. 	
Flousy — AI Financial Planner App	01/2025 – Present
<ul style="list-style-type: none"> Built an AI financial planner using Flutter and Firebase Authentication. Features: expense tracking, category budgets, goal setting, bill reminders/recurring alerts, income-allocation guidance, bilingual (AR/EN) UI, and simple AI plans. Applied version control (Git), unit testing, issue triage, and iterative delivery. 	
Solar Share	09/2024 – 05/2025
<ul style="list-style-type: none"> Peer-to-peer solar-energy prototype (JavaScript, Firebase); Ignited Hackathon – Best Idea (+2,000,000 virtual funding). Led requirements, rapid prototyping, live demo, and technical pitch. 	
Co-Founder — Peer Tutoring Program	06/2025 – Present
Built a tutoring model scaled across 7 campuses of NIS; recognized by Egypt's Minister of Education.	

SKILLS

Programming Languages

Flutter (Dart), Python, JavaScript, Java, PHP, HTML, CSS

Platforms & Tools

Firebase (Authentication), Node.js, Git, GitHub, VS Code, Android Studio

Computer Science

Object-Oriented Programming (OOP), Data Structures & Algorithms, Unit Testing, Debugging, Problem Solving

Soft Skills

Communication, Leadership, Teamwork, Critical Thinking, Time Management, Adaptability, Ownership, Attention to Detail, Customer Focus

Working Methodologies

Agile/Scrum basics, Issue Triage, Code Reviews, Documentation

COURSES

CS50's Introduction to Programming with Python

Harvard edX

11/2024 – 01/2025

Online

CS50's Introduction to Computer Science

Harvard edX

09/2024 – 11/2024

Online

CS50's Introduction to Artificial Intelligence with Python

Harvard edX

01/2025 – 03/2025

Online

Data Science: R Basics

Harvard edX

03/2025 – 03/2025

Online

Data Science: Visualization

Harvard edX

03/2025 – 04/2025

Online

Data Science: Probability

Harvard edX

04/2025 – 04/2025

Online

Data Science: Inference and Modeling

Harvard edX

04/2025 – 05/2025

Online

Data Science: Productivity Tools

Harvard edX

05/2025 – 05/2025

Online

Data Science: Wrangling

Harvard edX

05/2025 – 06/2025

Online

Data Science: Linear Regression

Harvard edX

06/2025 – 06/2025

Online

Data Science: Building Machine Learning Models

Harvard edX

06/2025 – 08/2025

Online

Machine Learning with Python: from Linear Models to Deep Learning.

MITx

09/2025 – 12/2025

Online

AWARDS

Ignited Hackathon — Best Idea (+2,000,000 virtual funding)

Ignited Competition Hackathon

05/2025

Speech Competition — 1st Place (Special Awards Category), across all NIS campuses

Dr. Nermien Ismail Schools

04/2025

Alabakera Schools League (Season 7), AASTMT — Second Place (Delta-region Math)

Arab Academy for Science, Technology & Maritime Transport

02/2025

Egypt U-17 Squash — Top 50

Egyptian Squash Federation

2024

Cognia Mathematics — Advanced Level, Certificate of Excellence, 99th Percentile

2022

(final exam exemption)

Cognia

1st Nationals Percussionist — Award-Winning Duet

2018

Conservatory of Music

ORGANISATIONS

Local Coding & Robotics Instructor

06/2025 – Present

Instructor

Port Said, Egypt

El-Nasr Hospital — Childhood Cancer Day

02/2025 – 02/2025

Co-Organizer

Port Said, Egypt

LANGUAGES

Arabic



English



IELTS (8.5), C2

German



French



A2

A1

Spanish



A1