

Mahmoud Yassin

Software Engineer

✉ mahmoudyassin.dev@gmail.com 📞 +201122144543 📍 Cairo, Egypt 🌐 Mahmoud Yassin
 📧 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

Dr. Nermien Ismail Schools (NIS)
 4.0 GPA | Predicted Valedictorian

09/2022 – 05/26
 Port Said, Egypt

Junior Presidential Leadership Program (NTA)

National Training Academy
 National program emphasizing critical thinking, leadership, teamwork, communication, and problem-solving skills for future leaders.

08/2025 – 09/2025
 Cairo, Egypt

PROFESSIONAL EXPERIENCE

Intern

Dr. Nermien Ismail Schools

- 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.

05/2025 – Present
 Remote

Freelance Developer

Self-Employed

Delivered websites/apps for local businesses using HTML, CSS, JavaScript, PHP and Flutter.

05/2023 – Present
 Port Said, Egypt

PROJECTS

AI VAR for Squash (Computer Vision)

- Prototyping ball/shot detection from video using Python and basic ML/CV workflows.
- Iterating on model accuracy, latency, and evaluation.

08/2025 – Present

Flousy — AI Financial Planner App

- 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.

01/2025 – Present

Solar Share

- 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.

09/2024 – 05/2025

Co-Founder — Peer Tutoring Program

Built a tutoring model scaled across 7 campuses of NIS; recognized by Egypt's Minister of Education.

06/2025 – Present

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
(final exam exemption)

2022

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

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English

● ● ● ● ●

IELTS (8.5), C2

German

● ● ● ● ●

French

A2

A1

● ● ● ● ●

Spanish

● ● ● ● ●

A1