

ISMAIL FATEEN

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EDUCATION

Arab Academy for Science, Technology and Maritime Transport

Cairo, Egypt

Bachelor of Science, Computer Science

Sep 2024 – Jun 2028

- GPA: 3.88/4.0
- Full-ride scholarship for competitive programming achievement
- **Relevant Coursework:** Data Structures and Algorithms, Database Systems, Computer Architecture, Networks, Discrete Structures, Object-Oriented Programming, Web Programming.

EXPERIENCE

Flutter App Developer

Oct 2021 – Oct 2023

Salam Labs Inc.

Remote

- Engineered and shipped **Salam App**, an ad-free mobile application with 50,000+ downloads, 4.7★ on Google Play, and 5.0★ on the App Store.
- Owned end-to-end development of the Quran Reader, Player, and iOS home-screen widgets.
- Built reusable Flutter components and scalable state-management architecture using **Riverpod**.
- Maintained a consistent **monthly release**, delivering bug fixes and feature updates across iOS and Android.

HONORS/AWARDS

- Qualified to the **50th ICPC World Finals**, to be held in November 2026
- **Gold Medal** at the **ICPC Arab and African Collegiate Programming Championship (2025)**
- **Gold Medal** at the **ICPC Egyptian Collegiate Programming Competition (2025)**
- Qualified to the **International Olympiad in Informatics (IOI)** as a member of Egypt's official team (2024)
- **Master** on Codeforces, the biggest competitive programming website
- **Asia-Pacific Informatics Olympiad (APIO) Qualifier (2023, 2024)**
- **International Autumn Tournament in Informatics (IATI) Qualifier (2024)**

PROJECTS

Rubik's Cube Solver (Best Project Award)

- Developed a high-performance Rubik's Cube solver using multi-threading, achieving consistent 2–4× speed improvements over Cube Explorer
- Integrated solver backend with a GUI for puzzle configuration, solving, and solution rendering.

Salam Talk Discord Bot

- Rewrote Salam Talk's main Discord Bot, a bot serving 50000+ members.
- Modularized the old monolithic script written in Javascript, and used Typescript and the latest version of Discord.js

ADDITIONAL EXPERIENCES

Contestant

Mar 2026 – Apr 2026

Cambridge Battlecode

Remote

- Finished top 12 internationally in qualification rounds, missing finals by one match.
- Implemented pathfinding, heuristics, and micro/macro strategies in Python, iterating rapidly in response to game balance changes.

Scientific Committee Member

Jan 2025 – Present

Egyptian Olympiad in Informatics

Egypt

- Authored and prepared 10+ competitive programming problems for high-stakes national contests (Winter Camp Qualifiers, APIO Qualifiers, IOI Team Selection), targeting Expert-to-Grandmaster rated contestants on Codeforces.
- Engineered full problem packages on **Codeforces Polygon**, including writing custom checkers and validators, generating exhaustive stress-tested edge case suites, and authoring editorial solutions with verified time/memory complexity bounds.
- Proctored on-site national olympiad contests including APIO and IOI Team Selection Tests.

SKILLS AND INTERESTS

Programming Languages: C/C++, Dart, Java, Javascript/Typescript, Python

Technologies: Git, Flutter, UNIX

Interests: Table Tennis, Padel Tennis, Photography, Chess, Piano