

Ahmad Abdulrahman Radwan

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EDUCATION

Faculty of Engineering, Al-Azhar University

Bachelor of Engineering, Major in Systems and Computer Engineering

- Foundation year: 2017

Cairo, Egypt

Sep. 2018 – Jul. 2022

PROBLEM SOLVING COMPETITIONS

- **Finalist twice** in Africa & Arab Collegiate Programming Contest (ACPC 2021 & 2020).
- **Ranked 15th** in Egyptian Collegiate Programming Contest (ECPC 2021).
- **Ranked 1st** in Al-Azhar Collegiate Programming Contest (AzharCPC 2021).
- **Ranked 12th** on Egypt in Google HashCode 2021.
- **Ranked 3rd** on Egypt in IEEEExtreme 14.0 Programming Competition.
- **Expert** on CodeForces with max rating: **1831**, handle: [RetiredRadwan](#).

EXPERIENCE & VOLUNTEERING

Mentor & Problem-setter

AIC - Al-Azhar ICPC Community

- Teaching topics, popular algorithms and techniques of competitive programming (CP).
- Helping write problem-sets for weekly sheets and contests.
- Currently, online tutoring +45 students in AIC'21 Level 2 Training.
- Trained +60 students in AIC'20 Level 1 Training.

Feb. 2020 – Present

Cairo, Egypt

PROJECTS

Notify Me | *JavaScript, HTML*

Feb. 2021

- Developed a full-stack web browser extension which notifies contestants when there are announcements on [VJudge OJ](#) running contests, instead of wasting time reloading pages and looking for them periodically.

PSolving Paradigms | *C++*

Jan. 2021

- Implemented an educational repository of common problems and their solutions in dynamic programming methods and techniques, including prerequisites for competitive programmers.
- Chose problems from several online judges (basic and extra problems) and made a sheet in details; difficulty, topics, hints and notes, in case to solve.

In The Queue, Please | *Java, JavaFX, CSS*

Dec. 2020

- Implemented the Deterministic and Stochastic Models in Queuing Theory, including showing graph result (if exists for a model).

Differentiation Lab | *Java*

May. 2019

- Implemented a calculator that allows you to solve first order and higher order derivatives of any function using Apache exp4j library, based on GUI.

TECHNICAL SKILLS

Languages: C/C++, Java, Kotlin, Python, SQL, JavaScript, HTML/CSS.

Tools & Technologies: Linux, Git, Android, Object-oriented programming in Java & C++, Data Structures and Algorithms in Java & C++.