

Abdelrahman Soliman

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Skills

- C/C++ | Angular | Ionic | Bash | Android | ML | Python | Rust | Go | Ruby on Rails | Java | Kotlin | MongoDB | Swift | REST APIs
- Agile Methodologies | Critical Thinking | Creativity | Time Management | Adaptability | Teamwork | Leadership | Problem Solving
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | English, Arabic – *All professional proficiency or above*

Experience

Teaching and Research Assistant Carleton University Ottawa, ON, Canada 09/2022 - Current

- Taught Applied Cryptography & Authentication, Fall 2022 | Principles of Computer Networks, Winter 2023: Supported students' success.
- Conducted research in computer networks | contributed to professional growth in academia and research.

Software Developer ZADK Software Co. Alexandria, Egypt 09/2021 - 09/2022

- Developed a mobile application for booking sports facilities using technologies such as **Ionic, AngularJS, Node.js**, and **Google Firebase**.
- The app garnered over **10,000 downloads** within the first month of launch. It enables users to easily book and pay for various facilities like gyms, basketball courts, and swimming pools.
- In the first three months, the app facilitated over **5,000 bookings** across different sports facilities.
- The app offers features such as real-time availability, booking history, and user reviews, made possible by the integration of **Firebase**.
- It has accumulated over **2,000 user reviews** with an average rating of **4.5 out of 5 stars**. The positive feedback from users is evident, with 90% of surveyed users reporting improved convenience in booking sports facilities.

Software Development, Intern Egyptian Armed Forces Alexandria, Egypt 08/2020 - 09/2021

- During my service, I was able to apply my skills to develop software applications and systems that directly supported military operations.
- I gained valuable training in military skills, which have helped me to better understand the needs and challenges of military personnel.
- My time in the military has given me a greater appreciation for discipline, teamwork, and respect for authority.

Full-stack Developer, Intern Information Technology Institute Alexandria, Egypt 05/2020 - 08/2020

- I obtained hands-on experience working with various web development technologies such as **HTML, CSS, JavaScript**, and **PHP**.
- I applied my skills in developing full-stack web applications, which were well-received by both my colleagues and project stakeholders
- I learned about **agile development methodologies** and collaboration tools, which have greatly improved my team working skills.

Software Developer, Intern eSpace Alexandria, Egypt 05/2019 - 08/2019

- Worked on various projects, gained experience in software dev methodologies. Applied programming skills with **React** and **Node.js**.

Web Developer, Intern Arab Petroleum Pipelines Company Alexandria, Egypt 06/2018 - 08/2018

- Developed web application for report sharing among managers, featuring efficient search and user-friendly interface.

Software Developer, Intern AASTMT Alexandria, Egypt 06/2017 - 08/2017

- Modified essential software tools to manage digital resources, worked with **PHP, MySQL**, and **JavaScript**, honed collaboration skills.

Education

Master's in Computer Science Carleton University Ottawa, ON, Canada 09/2022 - 08/2024

- Major in Internet Security under the supervision of Prof. Abdou.

Bachelor's in Computer Science AASTMT Alexandria, Egypt 02/2016 - 09/2019

- GPA of 3.93/4.00 Excellent with Honors.

Projects

- **CharityML donor prediction:** Used **sklearn, pandas & numpy**, analyzed census data, tested & optimized ML models to Improve **F-score**.
- **Quality Control Information System Grad Project:** Data Analysis, **UML**, Proof-of-work that implements **NAQAA** Quality Standards.

Certifications

- Cybersecurity Analyst Professional Certificate (IBM) | AI Engineering Cert (IBM) | Deep Learning Specialization (DeepLearning.AI)
- Machine Learning Cross-Skilling Nano Cert (MCIT) | Machine Learning Cert (Stanford) | Machine Learning in Data Science Cert (HarvardX)

Others

- Full Merit-Based Scholarships (Semesters 1-7, AASTMT) | WES Verified Intl Academic Qualifications | Math Olympiad Cert (KFUPM)
- GRE Quantitative Score of 158 | IELTS Cert (Overall Band 7.0), **Interests:** Open-source contributions | Hackathons & competitions | Personal projects | Tech trends | Dev blogging | Meetups & conferences | Mentoring | Cross-disciplinary tech | Creative coding