

Ahmed Khfagy

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Education

Ain Shams University University, Cairo, Egypt
Bachelor of Computer Science, Bioinformatics, 2018-2022
GPA: 3.43 out of 4.0

Projects

- [Network Flow Algorithms Analysis](#)
 - Analysis and comparison between different network flow algorithms, and a paper review.
 - **Tools and Concepts: Algorithms, Data Structures, Scientific Research, C++, C#**
- [Simple Kernel](#)
 - OS kernel which performs basic operations of an operating system.
 - **Tools and Concepts: Memory managing, semaphores, shared variables, page fault handling**
- [Online Shopping Android Application](#)
 - It a simple online shopping application which you can order things from McDonald's. You have your own account and get a confirmation mail after your order.
 - **Tools and Concepts: Android Studio, Java, SQL**
- [Children's Chemical Reactions Game](#)
 - It is a simple game with 3 levels which each of which he has to solve a chemical formula.
 - **Tools and Concepts: libGDX, SQL, OOP, Java**

Certificates

- Deep Learning. Certificate earned on May 3, 2020.
 - By deeplearning.ai on Coursera
- Machine Learning. Certificate earned on July 3, 2020.
 - By the University of Washington on Coursera
- Data Processing and Feature Engineering with MATLAB. Certificate earned on July 8, 2020.
 - By MathWorks on Coursera
- Data Structures and Algorithms. Certificate earned on October 9, 2020
 - By the University of California, San Diego & National Research University Higher School of Economics on Coursera.

Skills

- Tools: Git, TensorFlow, TuriCreate, Anaconda, Android studio, WordPress, PL/SQL, Tidyverse, RStudio
- Languages (Ordered by proficiency): C++, JavaScript, Java, C#, R, Python, MATLAB, HTML, Julia
- Concepts: Problem-Solving, OOP, Data Structures, Algorithms, Machine Learning, Agile Methodologies

Extracurriculars and Leadership

- acmASCIS student activity part of acm.org, Ain Shams University - Competitive programming mentor. Sep 2019 - Present
- SupportASU, Ain Shams University - Machine Learning committee member - Dec 2020 - Present
- JPMorgan Chase Software Engineering Virtual Experience program participant - Jan 2021
- KPMG Data Analytics Consulting Virtual Internship - Jan 2021

Honours and Awards

- **46th** place in the 2020 Egyptian Collegiate Programming Contest out of **150+** teams.
- **7th** place in the 2020 Ain Shams FCI Collegiate Programming Contest out of **45+** teams.
- **26th** place in the 2019 FCI Ain-Shams Collegiate Programming Contest out of **50+** teams.
- **2901** rank worldwide out of **9004** teams in Google Hash Code 2021.
- **2052** rank worldwide out of **10742** teams in Google Hash Code 2020.
- **6th** place in Data Structures competition.