Ahmed Khfagy

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Education

Ain Shams University, Cairo, Egypt
- Bachelor of Computer Science, Bioinformatics, 2018-2022
- GPA: 3.0 out of 4.0

Experience

- **Full Stack Developer Training**, Excel Systems – Aug 2021 – Sep 2021
  - Worked on a website part of a supply chain
  - Used Onion Architecture while developing the project
  - Used Agile methodologies to Structure our workflow
  - **Tools and Concepts Learned: .NET Frameworks, Onion Architecture, Agile.**

Projects

- [Brain-Computer Interface Using EEG Signals for Wheelchair Control](#)
  - Graduation project at Ain Shams University, Bioinformatics Department.
  - Control a wheelchair by extracting simple commands from your thoughts using EEG signals.
  - **Tools and Concepts: Machine Learning Algorithms, Python, Scientific Research, Flask, APIs, Networking, Raspberry PI OS, Bash, Android Studio, Java.**
  - **Grade: A**
- [Manufacturer Supply Chain Website](#)
  - Part of a supply chain website targeted for the manufacturer to use to place his orders.
  - Developed during Full Stack Developer Training at Excel Systems in less than one month.
  - **Tools and Concepts: .NET Frameworks, Onion Architecture, Agile.**
- [Exercise Tracker Microservice](#)
  - A simple exercise tracker microservice which you can track your progress.
  - **Tools and Concepts**: **Node.js, MongoDB, HTML, CSS, NoSQL.**
- [Simple Kernel](#)
  - OS kernel which performs basic operations of an operating system.
  - **Tools and Concepts**: **Memory management, semaphores, shared variables, page fault handling**

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
- APIs and Microservices earned on April 25, 2021
  - By freecodecamp.org
- 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.
- Other certificates on my Portfolio's [Background Page](#).

Skills

- Tools: ASP.NET, SQL Server, Sklearn, Node.js, Git, MongoDB, PL/SQL
- Languages (Ordered by proficiency): C#, Python, JavaScript
- Concepts: Problem-Solving, OOP, Data Structures, Algorithms, Machine Learning, Agile Methodologies

Honors 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 FCIAin-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.

Extracurricular Activities

- acmASCIS student activity part of acm.org, Ain Shams University - Competitive programming mentor. Sep 2019 – Sep 2021
    - o   Wrote and tested problems for competitive programming contests
    - o   Helped students new to programming to understand the basic concepts and improve their skills
- SupportASU, Ain Shams University – Machine Learning committee member - Dec 2020 – Sep 2022
    - o   Helped teach students Machine Learning and Deep Learning Algorithms
- JPMorgan Chase Software Engineering Virtual Experience program participant - Jan 2021
- KPMG Data Analytics Consulting Virtual Internship Jan 2021