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

- [Exercise Tracker Microservice](#)
  - A simple exercise tracker microservice which you can track your progress
  - **Tools and Concepts**: **Node.js, MongoDB, HTML, CSS, NoSQL**
- [URL Shortener Microservice](#)
  - A simple URL shortener microservice
  - **Tools and Concepts**: **Node.js, MongoDB, HTML, CSS, NoSQL**
- [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**

Certificates

- APIs and Microservices earned on April 25, 2021
  - By freecodecamp.org
- 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 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: Node.js, Git, MongoDB, TensorFlow, Anaconda, Android studio, 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

- **46**[th] place in the 2020 Egyptian Collegiate Programming Contest out of **150**+ teams.
- **7**[th] place in the 2020 Ain Shams FCI Collegiate Programming Contest out of **45**+ teams.
- **26**[th] 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.
- **6**[th] place in Data Structures competition.