**Ahmed Khfagy**

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GitHub: <https://github.com/aKhfagy> | Military Service: Exempted

# **Education**

**Ain Shams University**, Cairo, Egypt

* Bachelor of Computer Science, Bioinformatics Program, 2018-2022
* Grade: B- (Very Good)

# **Experience**

* **Full Stack Developer**, A1Softech Pro – Feb 2024 – Current
  + Outsourcing for Banque Misr
* **Full Stack Developer (Freelance)**, Nahr Development – Jan 2023 – Jan 2024
  + Worked on multiple websites, most notably Drops System
* **Full Stack Developer Internship**, Nahr Development – Nov 2022 – Dec 2022
  + Made Simple website to implement what I learned.
  + Learned DDD, Angular, and .Net API**.**
* **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.

# **Graduation Project**

* [Brain-Computer Interface Using EEG Signals for Wheelchair Control](https://github.com/aKhfagy/Brain-Computer-Interface-using-EEG-Signal-for-Wheelchair-Control)
  + Control a wheelchair by extracting simple commands from your thoughts using EEG (Electroencephalography) signals.
  + **Tools and Concepts: Machine Learning Algorithms, Python, Scientific Research, Flask, APIs, Networking, Raspberry PI OS, Bash, Android Studio, Java.**
  + **Grade: A**

# **Projects**

* **Security Permits Issuing**
  + Issue security permits for employees, devices, and other miscellaneous items entering and exiting the bank.
  + **Tools and Concepts: .Net API, Angular, Swagger**
* **KYC (Know Your Customer)**
  + Update customer information.
  + **Tools and Concepts: .Net API, Angular, Swagger.**
* More projects available on my [GitHub Profile](https://github.com/aKhfagy)

# **Technical Certificates**

* Graphics Design Diploma earned in November 2024
  + By Russian Cultural Center, Computer Studies Department, Cairo.
* 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.
* Machine Learning. Certificate earned on July 3, 2020.
  + By the University of Washington on Coursera
* Other certificates on my Portfolio’s [Background Page](https://akhfagy.github.io/background.html).

# **Skills**

* Languages (Ordered by proficiency): TypeScript, C#, JavaScript
* Tools: Angular, ASP.NET, RabbitMQ, ELK, Swagger, SQL Server, Git
* Concepts: Problem-Solving, Microservice Architecture, DDD, OOP, Data Structures, Algorithms, Agile Methodologies

# **Honors and Awards**

* **6th** place in Data Structures competition.
* **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.
* **46th** place in the 2020 Egyptian Collegiate Programming Contest out of **150**+ teams.
* **2052** rank worldwide out of **10742** teams in Google Hash Code 2020.
* **2901** rank worldwide out of **9004** teams in Google Hash Code 2021.

# **Extracurricular Activities**

* acmASCIS student activity part of acm.org, Ain Shams University - Competitive programming mentor. Sep 2019 – Sep 2021
  + Wrote and tested problems for competitive programming contests.
  + 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
  + 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