

# Ahmed Achraf A.

## Personal information

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## About me

With studing Bachelor at The Faculty of Engineering, interested in software specifcly in Artificial intelligence track and I am problem solver at pexils helwan. I am studing at the Armed Forces language Institute and attending more events that organized by the Egyptian Public Library as a participarer in it also I am a member of American Cultural Center at American Embassy.

## Education

Sep, 2019 - to date **Studing BSc Biomedical Engineering, Faculty of Engineering, Helwan University**

## Courses, Diplomas and Certificates

Jul, 2022 - May, 2022 **Mathematics for Machine learning specialization.**  
**There are 3 courses in this Specialization**  
**Linear Algebra** 19 hour-to complete: in this course on Linear Algebra we look at what linear algebra is and how it relates to vectors and matrices. Then we look through what vectors and matrices are and how to work with them, including the knotty problem of eigenvalues and eigenvectors, and how to use these to solve problems. Finally we look at how to use these to do fun things with datasets - like how to rotate images of faces and how to extract eigenvectors to look at how the Pagerank algorithm works.  
**Multivariate calculus** 18 hour-to complete : This course offers a brief introduction to the multivariate calculus required to build many common machine learning techniques. we learn how to calculate vectors. We take a look at how we can use calculus to build approximations to functions, as well as helping us to quantify how accurate we should expect those approximations to be. We also spend some time talking about where calculus comes up in the training of neural networks, before finally showing you how it is applied in linear regression models, as well as the language necessary to look concepts up yourselves when you get stuck. Hopefully, without going into too much detail, you'll still come away with the confidence to dive into some more focused machine learning courses in future.

Nov, 2021 - May, 2022	<b>Artificail Intelligence Diploma from Instant institute.</b> (python Basics – Data science – Machine Learning Algorithms [classification, Regression, Clustering ] – Deep learning Algorithms [Artificail Neural Network – CNN – RNN LSTM – GANs – NLP])
Mar, 2021 - Mar, 2021	<b>Bioinformatic microcourse</b> (Python – Machine learning – DNA Analysis – Genome Sequencing )
Jan, 2021 - Feb, 2021	<b>Arduino course at PN Junction</b> (LabView - MatLap - C - IOT - Electronics - Arm - Bluetooth Control – Smart Robot – Smart City )

## Skills

- Soft skills : communicatin, Team work, time management
- very good in English Skills
- C, C++ and python programming language.
- Ability of using many programmes like Microsoft programmes (PowerPoint, Word and Excel)

## Internships

- Trainee at The initiative of a thousand artificial intelligence engineer with Hesham asem.
- Trainee the Biomedical course (BMC CAMP) at faculty of Electronic Engineering, Monufia University
- Attend the 3<sup>rd</sup> BEAT Event : Behind the doors at faculty of Engineering, Cairo University.

## Events

- Attend 1<sup>st</sup> BEAT Camp : AI in the Medical field.
- Participarer at Google HashCode competition.
- Attend Problem solving Event with Pexils.



[Ahmed Achraf](#)