

# Ahmed Hassan Abdel Rahman Goma

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## About Me:

I am a computer science graduate, ambitious developer and I have passion for programming and development and I am ready to take the next step in my career.

## Education:

- Earned Bachelor's Degree from Ain Shams University, Faculty of Computer and Information Science. (2014 – 2018).

## Skills:

**Languages:** PHP, Laravel, Python, SQL, JavaScript (ES6), Bootstrap (3/4), WordPress, C/C++, C#.

**Concepts:** Object Oriented Programming, Object Oriented Design, Data structures, Algorithms' analysis and design, Image Processing.

**Communication:** Arabic (Native), English (Excellent).

## Facial Expression Mimicking (Graduation Project)

Facial expression mimicking is a class of vision and graphics problems where the goal is to learn the translation of input actor's facial expression to an output actor using a generative model.

**Grade:** A+

**Tools:** Tensorflow, PyCharm, dlib, openCV, numpy

**Keywords:** Convolutional Neural Networks, Machine Learning, Generative Adversarial Networks.

**Languages:** Python

## Projects:

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### *Language Interpreter (2015)*

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Interpreter implemented using C++ and QT-creator. It is capable of interpreting a specifically designed language into C++ source code, run it and show results

**Tools:** Visual Studio .NET, QT Creator

**Languages:** C++

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## *Image Quantization (2016)*

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Color quantization is to reduce the number of colors in a full resolution digital color image (24 bits per pixel) to a smaller set of representative colors. Reduction should be performed so that the quantized image differs as little as possible from the original image. Algorithmic optimization task is to find such a color palette that the overall distortion is minimized.

**Tools:** Visual Studio .NET

**Languages:** C#

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## *Library DBMS (2016)*

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A Public Library Management System with User/Admin Login Authentication and Basic DB Manipulation (CRUD).

**Tools:** Visual Studio .NET, SQL Server

**Languages:** C#, SQL

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## *Online Shareboard (2017)*

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An Online Share board for Users to Share their favorite websites for everyone to see.

**Tools:** Visual Studio Code, XAMPP

**Languages:** PHP, Bootstrap v3, SQL

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## *Chat App (2018)*

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Basic Chat Application Written with php and ajax that allows multiple users to communicate in public chat room.

**Tools:** Visual Studio Code, XAMPP

**Languages:** PHP, Javascript, Bootstrap v4, AJAX, SQL

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## *Laravel Blog (2018)*

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A basic blog site built using Laravel v5.4 which has basic functionalities of a blog site like (user authentication, adding posts with picture as thumbnail, adding comments on posts, guests can view most recent posts on home page).

**Tools:** Visual Studio Code, XAMPP.

**Languages:** Laravel v5.4, JQuery, Bootstrap v4, MySQL