


# Amr Hussien

## Junior Software Engineer

📍 7 Helmy Abelaty St, 12643 Faisal, Egypt ✉ amr.ister20@gmail.com ☎ +20 01150297692

📅 Jun 22, 1998 **in** [linkedin.com/in/amr-hussien-804816160/](https://www.linkedin.com/in/amr-hussien-804816160/)  [github.com/lwx-amr](https://github.com/lwx-amr)

### Overview

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Software Engineering enthusiast and computer science student with good knowledge of computer science fundamentals such as OOP, algorithm, data structures, problem solving, and complexity analysis.

Passionate about building services for web applications with javascript and related concepts like scalability, availability, and microservices.

### Skills

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#### Software Engineering

C++  
OOP  
Algorithms  
Data Structures  
Databases  
Git & GitHub  
Linux

#### Web development

HTML5  
CSS3  
Javascript  
Node.js  
MongoDB  
RESTful APIs  
JSON  
React.js  
Ajax  
Docker

### Education

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#### Cairo University

Sep 2016 – Sep 2020 | Dokki, Egypt

Obtained Bachelor of Computer Science Degree, Course Highlights:

Object-Oriented Programming, Data Structures and Algorithms, Database Management Systems, Operating systems Fundamentals, Networks Fundamentals, Software Engineering Process, C++ Programming, Java Programming, Genetics Algorithms, Machine Learning entry course

### Projects

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#### Projects related to university courses

- Genetic Algorithms (KnapSack, Fuzzy toolbox) - Java
- Web service with REST api for social media app (Java, Spring, MongoDB, Docker)
- Small Online Testing web app (Node.js, Express, Mongo, HTML, CSS)
- Machine Learning:
  - Classification project based on Naive Bayes and decision tree. - Java
  - Clustering project using k-means algorithm. - Java
  - Deep Learning project to classify images based on CNN. - Python

#### Graduation Project

CV Ranking web app based on microservices architecture and NLP.

Used technologies: Node.js - React.js - Express - Redis - MongoDB - Docker - Kubernetes - NLP Algorithms.