MICHAEL MAURICE

Software engineer

PROFILE

I am looking forward to working on projects that allow me to use my knowledge and apply the science that I've acknowledged over the past years. I love algorithms, problem-solving, and using my skills to create solutions for problems with fast and reliable code.

CONTACT

Cairo-Egypt

PHONE:
+201211344566

EMAIL:
Michaelmaurice410@gmail.com

GITHUB:
github.com/MICHAEL-MAURICE

LINKEDIN:
linkedin.com/in/michael-maurice/

MY TECHNICAL ARTICLES:
michael-maurice.blogspot.com

SKILLS

Technical skills
1 -**Programming Language**: C++, Java, Python JavaScript, swift5, SQL, Dart
 2 -**Concepts**: Algorithms & Data structure, OOP, Design Patterns, Problem-solving,
Bloc, Provider
 3 -**Development**: Flutter, Firebase, Git, GitHub, iOS

Personal skills
1- Teamwork.
2- Time management.
3-Team management.

EDUCATION

Higher Technological Institute,10th of Ramadan, Egypt
2017 – 2021
 graduate BACHELOR'S DEGREE IN COMPUTER SCIENCE - (GPA: 3/4)

Graduation Project - Excellence

WORK EXPERIENCE

92rd place in ECPC 2020 from 668 teams | CERTIFICATE

23rd place in Helwan_CPC 2020 | CERTIFICATE

IEEE HTI Student Branch _ [VICE PRESIDENT R&D]
Managing A Team Which Is Consist Of 5 Members IN: - 30/3/2020 And I mentored them to build a survey app. LINK
Technical Support on Micro Mouse Competition _ coding support for robots.

CS50 in Arabic _ [Academic Coach]
taught them c++,,Algorithm ,Data structure, problem solving

Coach Academy _ [Mentor Level One]
mentoring 12 people to learn them c++ _ Coach Academy: Is A Place To Train Anyone To Problem solving, Algorithm & Data structure

DSC HTI 10th of Ramadan branch _ [Competitive programming Coach]
taught them c++,,Algorithm ,Data structure, problem solving

AWARDS & TRAINING

1- I solved 800+ problems on different online judges

2- JavaScript Algorithms and Data Structures | CERTIFICATE

3- COMPETITIVE PROGRAMMING, I training - in coach academy. company

4- Flutter training in senior steps company. we were working in Fruit delivery app (We made this app by using flutter Framework, firebase(backend), google maps) |CERTIFICATE

5- The Complete iOS App Development Bootcamp |Udemy

6- The Complete 2021 Flutter & Dart Development Course | Udemy

PROJECTS

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Parking Finder　　　　　　**Flutter – google api – provider-oop**

I made this project by using Flutter framework To find places to park
your car by using google place api.

GITHUB LINK: - MICHAEL-MAURICE/Parkig_Finder (github.com)
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E-Commerce App　　　　　**Flutter- Restful api -BLOC- oop**

I made this project by using Flutter Framework with a lot of Functions
Like Registration, searching, favorite page, categories page and a lot of
other

GITHUB LINK: - MICHAEL-MAURICE/E-commerce-Flutter at master
(github.com)
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News App　　　　　　**Flutter- Restful api – BLOC – oop**

I made this project by using flutter framework and used BLOC pattern
With clean code to get science , sports, Bussnie news and contain dark and
light mood.

GITHUB LINK: - News_app/newsapp at main · MICHAEL-MAURICE/News_app
(github.com)
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Todo App　　　　　　**Flutter - sqlflite - BLOC - oop**

I made this project by using flutter framework and used BLOC pattern and
sqlflite to save tasks with time and you can archive this tasks and delete it

GITHUB LINK: - MICHAEL-MAURICE/Todo_app_Flutter (github.com)
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Social Media App　　　　　　**Flutter-Dart-oop-firebase**

I made this project by using flutter framework. This social media app like
Instagram

GITHUB LINK: - MICHAEL-MAURICE/Socialmedia_app (github.com)
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Fitness App　　　　　　**Flutter-Dart-oop**

I made this app by using the flutter framework. This app contains a lot of
exercises to keep you fit and healthy

GITHUB LINK: - MICHAEL-MAURICE/fitness_app-flutter- (github.com)
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chat room app socket　　　　　　**python – Socket**

I made this app by using python language and socket io to generate chatting
room for conversation

GITHUBLINK: - MICHAEL-MAURICE/chat_room_app_socket (github.com)
VIDEOLINK**: -** chat room socket - YouTube

Path finding Visualizer　　　**Java - Jframe GUI-oop**

I made this by using java language. You can draw maze or this project
generate one and solve this maze by using any algorithm
of those (A*, dfs, bfs , greedy ,Dijkstra)

GITHUB LINK: - MICHAEL-MAURICE/Path_Finding (github.com)
VIDEO LINK: - Path finding visulizers - YouTube
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Sorting Visualizer　　　　　　**JavaScript - P5js**

I made this by using p5js (JavaScript) This website is used to visualize
four sorting algorithms (Bubble,selection,Quick,insertion)

GITHUB LINK: - https://github.com/MICHAEL-MAURICE/Sorting-
Visualizer
VIDEO LINK: - Sorting visualizer - YouTube
WEBSITE LINK: - Sorting Visualizer (michael-maurice.github.io)
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C++ big Integer library　　　　　　**C++**

In C++ Language the biggest Data type for Integer Number is long
long and it can do operations in numbers consisting of 19 digits. my
Library to generate a number consist of 300 digits and also do a lot of
operations

GITHUB LINK: - MICHAEL-MAURICE/Big_Integer_number_-in-
_C_plusplus (github.com)
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sudoku Solver　　　　　　**Python**

I made this by using python language.This is a sudoku solver program
by using the backtracking algorithm.

GITHUB LINK: - MICHAEL-MAURICE/sudoku_Solver (github.com)
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Rubik's Cube game and solver　　　**Java -Processing**

I made this by using processing (java). this is a Rubik's Cube game and
solver

GITHUB LINK: - https://github.com/MICHAEL-MAURICE/Rubik-s-
Cube-game-and-solver
VIDEO LINK: - cubie game and solver - YouTube
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Flappy Ball　　　　　　**Javascript -P5js**

I made this website by using p5js(java script) this is my own version
from the flappy bird game you can jump by pressing on space.

GITHUBLINK: - https://github.com/MICHAEL-MAURICE/Flappy_ball
VIDEOLINK: - flappy ball - YouTube
WEBSITELINK: - Flappy Ball (michael-maurice.github.io)