

# Mahmoud El-Sayed Mahmoud Raouf

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## Education

### Cairo University, Faculty of Engineering

Bachelor of Computer Engineering

Accumulative GPA: 3.3 (Very Good)

Cairo, Egypt

2018 – July 2023

## Skills

languages	Software Development	Machine Learning	Others
<ul style="list-style-type: none"><li>- C/C++</li><li>- Python</li><li>- Java , JavaScript</li><li>- HTML , CSS</li><li>- Dart</li><li>- C#</li></ul>	<ul style="list-style-type: none"><li>- Flutter</li><li>- My SQL</li><li>- MongoDB</li><li>- NoSQL</li></ul>	<ul style="list-style-type: none"><li>- OpenCV</li><li>- Numpy</li><li>- Pandas</li><li>- Scikit Learn</li><li>- TensorFlow</li></ul>	<ul style="list-style-type: none"><li>- Git /GitHub</li><li>- Problem Solving</li><li>- Technical Writing</li></ul>

## Experience

### Online Courses in Flutter development and basics of Software development

2020 - 2023

- Fundamentals of Dart language.
- HTML , CSS , Java and JavaScript.
- Building mini-projects as tasks for training with Flutter.

### Fundamentals of Machine learning and Deep Learning Internship

Sep 2022

Information Technology Institute (ITI)

Giza, Egypt

- Introduction to Artificial Intelligence.
- Statistics for Machine Learning.
- Data Preparation and Exploration.
- Numerical Optimization for Data Science.
- Neural Networks & Deep Learning.
- [Link to my Certificate.](#)

### Online Courses and Problem Solving

2020 - 2023

- [Supervised Machine Learning: Regression and Classification.](#)
- [Fundamentals of Deep Learning.](#)
- Good Knowledge in Problem Solving techniques.

## Projects

### Aiden / Python

2022 - 2023

- An interface integrated with Spotify APIs to help users perform the actions they're used to easily.
- Detects user's hand gestures and performs actions based on them.
- Recognizes voice commands given by the user & determine the action intended.
- The final interface is implemented with web development by React.

**Tumbler4U** / *Dart*

2021 - 2022

- Mobile app with flutter development.
- Has many social media features as Facebook such as (sign-up /sign-in /create post / home screen features / search something / view the trends / all profile features).
- It was a chance to gain experience in GitHub platform manage source code, track changes, and facilitate collaboration with others.

**Hospital Database System** | *C#, SQL*

2020-2021

- Flexible interface for hospitals to manage its work.
- Implementation for queries to insert, update and delete.

**Search Engine** / *Java*

2021

- A simple Crawler- based search engine that demonstrates the main features of a search engine (web crawling, indexing and ranking).
- I have implemented the crawl module with some seed URLs to start with.
- It was a chance to try java concepts as Threads, Multi-threading.

**OS scheduler simulator** / *C*

2021

- Simulation for the operating system performing Scheduling and Memory management.

**Pipelined-Processor** / *Computer Arch., VHDL*

2021

- Design and implement a simple 5-stage pipelined processor with Harvard architecture.

**Stance Detection for COVID-19 Vaccination** / *Python, NLP*

2022 - 2023

- Natural language processing project to detect the stance toward vaccination and the content type of the tweet.

**RSA Encryption & Decryption** / *Python*

2022

- Implement RSA algorithm for security, one of asymmetric key encryption algorithms.

**MCQ Auto-Grader** / *python*

2021 - 2022

- Image processing project to correct MCQ bubble sheet exams automatically.