

# MAHMOUD GODY

4<sup>th</sup> Year Computer Engineering Student, Faculty of Engineering, Cairo University  
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*I am a Computer Engineering student. I love technology and I'm always ready to learn new things and expand my knowledge. I'm interested in the field of machine learning and applied science.*

## EDUCATION

### Computer Engineering bachelor's degree, Cairo University (2017-2022)

#### Achievements:

- Ranked 9<sup>th</sup> in Preparatory year
- Ranked 2<sup>nd</sup> in First year, Computer Engineering.
- Ranked 2<sup>nd</sup> in Second year, Computer Engineering.
- Ranked 1<sup>st</sup> in Third year, Computer Engineering.

## EXPERIENCE

### Internships

#### IBM Skills academy AI analyst Track (2020)

Interactive online sessions serving as an introduction to AI and its fields.

#### Software Engineering Intern at Microsoft (July-Sep 2021)

Worked under the Speech Recognition team at Microsoft ATL Lab Cairo. My main task was training and evaluating end to end models for Modern Standard Arabic speech recognition.

**Skills:** Speech recognition, Deep learning, Python, Pytorch basics , sequence models

### Relevant Projects

#### Solvammeter (Graduation project) (2022)

we are currently working on an application that can understand basic hand drawn circuit schematic diagrams from an image using image processing and machine learning, then it should solve the circuit.

#### My main role:

- Dataset collection, cleaning, and preprocessing.
- Feature Engineering and extraction.
- Training and testing Classifiers for hand drawn circuit components classification and hyper parameter tuning.

**Skills & tools:** Python, Jupiter notebooks , Scikit learn, Scikit mage, Open CV.

#### Click through rate prediction (2022)

Project where we apply concepts that we learnt in the machine learning college course including the **bias-variance tradeoff**, **generalization**, **classification models** and their **hyperparameters**, **ensemble learning** (boosting & bagging). The goal of the project is to predict whether an online ad might be clicked or not based on the given the dataset from a kaggle competition.

**Skills & tools:** Python, Jupiter notebooks, Scikit learn

## ACTIVITIES

### Volunteering

#### Shell Eco Marathon Cairo University Autonomous Car team (2021)

**Skills:** ROS basics, C++, Linux, shortest Path Algorithms

### Online courses & Certification

Coursera: Andrew Ng Deep learning specialization.

- Course 1: Neural Networks and Deep learning (2020).