

# Mohamed Abdelsattar Ahmed

## Computer Engineer

Giza - Egypt

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### About

Organized and dedicated self-learner Computer Engineering Student. Having interest in working with computers. I have gained hands-on experience in many fields like Embedded systems, Android programming and Artificial Intelligence. Also, I can work under pressure and have a passion for leading teams and conflict resolution.

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### Education

Sep 2019 – Jul 2024

Helwan University

Computer Engineering

Sep 2017 – July 2019

E-JUST (Egypt-Japan University  
for Science and technology)

Engineering

Sep 2014 – Aug 2017

Egyptian STEM School

High school for distinguished students  
across Egypt

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### Certificates

- IELTS score of 7
  - Udacity Nano-degree for Android development
  - Artificial Intelligence Diploma from Dr. Ibrahim Saad
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### Achievements

- Being one of the top 0.1 percent in one million Arab coders and qualified for the Udacity Nano-degree program.
  - Participated in Intel ISEF science fair.
  - Participated in MSA science fair.
  - Being part of the IT team in high school.
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## **Projects**

- *Self Driving Car In Carla Simulator(Graduation Project)*
    - *Keywords: Computer Vision, Object Detection, Keras, Sensor Fusion, State Estimation, Control Theory, Motion Planning, Python, Shortest Path Algorithm, Carla Simulator.*
  - *Fraud Detector.*
    - *Keywords: Logistic Regression, Imbalanced Dataset, Python ,Pandas, Numpy, Sklearn, ColumnTransformer, Pipeline, Feature Engineering, Feature Selection, EDA, Cross Validation, Naive Bayes, Under-Sampling, Over-Sampling, RandomForest, Neural Network , Pytorch , Model Scoring.*
  - *AmesHousing Predictor.*
    - *Keywords: Python, Linear Regression, Ridge, Lasso, EDA, Pipeline, Feature Engineering, Matplotlib, pandas, numpy, sklearn, Neural Network, Pytorch , Feature Selection, Model Evaluation and selection, Target Transformation, Regularization, Cross Validation*
  - *Movie Recommender*
    - *Keywords: EDA, Pandas, Numpy, Collaborative Filtering, Content Based Filtering, Cold-Start Problem, user-movie matrix*
  - *Neural Network From Scratch*
    - *Keywords: Numpy, Backpropagation, Feedforwarding, Multi-variable Calculus, Neural Network Training and Evaluation.*
  - *Solar Tracker for Maximum sun-light absorption for solar cells.*
  - *Linux Shell Emulator in C.*
  - *Drivers for ARM based Micro-controllers.*
  - *A Database Engine for Linux.*
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## **Skills**

- *Work Under Pressure*
  - *Conflict Resolution*
  - *Self-Learning*
  - *Team Leading*
  - *Time Management*
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## **Languages**

- *Arabic (Native)*
- *English (Fluent)*