

# Ali Mohamed Gouda

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## OBJECTIVE

Looking For an opportunity as Computer Science Student .

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## PERSONAL PROJECTS

### Automated object detection

Responsibilities:

- Pre-processing on the data (IMAGE DATA SET) using python
- Convert the data set into gray scaled with resolution 28x28
- Fully Documented

### Machine learning application

Responsibilities:

- Data pre-processing (IMAGE DATA SET & NUMERICAL DATA SET) using python
- The image data set model Done using CNN(Convolutional neural network)
- The numerical data set model Done using ANN(Artificial neural network)
- Apply the logistic regression 91%
- Apply SVM(Support vector machine) with accuracy 92%
- Fully Documented
- [Project link](#)

### Simple chat-bot

Responsibilities:

- Functionality based on When a user enters a specific input in the chatbot (developed on ChatterBot), the bot saves the input along with the response, for future use. This data (of collected experiences) allows the chatbot to generate automated responses each time a new input is fed into it. (Using Python)
- The program chooses the most-fitting response from the closest statement that matches the input, and then delivers a response from the already known selection of statements and responses. Over time, as the chatbot engages in more interactions, the accuracy of response improves. You may create your own chatbot project to understand the details of this technology.
- [Project link](#)

## **Fingerprint based ATM system**

Responsibilities:

- System Architecture
- Functional requirements
- Non-functional requirements
- Class diagram
- python implementation
- GUI

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## **EDUCATION**

2020 - 2024

**Faculty of Computer and Artificial Intelligence**, Helwan

University

Major: Computer science

**Certified CCNA**, Cisco

1. ~CCNAv7: Introduction to Networks
2. ~ CCNAv7: Switching, Routing, and Wireless Essentials
3. ~ CCNAv7: Enterprise Networking, Security, and Automation

**Python in data science diploma**, coursera

University of London.

1. Included: Pandas; NumPy; SciPy; a helping hand from Python's Standard Library.
2. Classical machine learning.
3. Deep learning.

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## **ADDITIONAL SKILLS**

Java,C/C++,HTML,SQL,Machine learning, networking , .net , react.

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## **STUDENT ACTIVITIES**

**Technical Instructor At GDSC (Google developer student club)**

I have done a lot of work shops

- Intro to cs work shop
- Data structure work shop (Stack-Queue-Lists) in both array based and linked based , (tree)
- Algorithm work shop (depth first search - generic algorithm )

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## **Working Experience**

### **Data Analysis**

30 hours intern in Telecom-Egypt

- Problem-solving and analytical understanding for statistics and data
- Technical skills and competency in using data analytics software like Tableau, PowerBI, etc.
- Provide support as needed to other internal teams when specific projects involving data analysis arise.

