

# Mostafa Hamdy

Menofia (able to relocate) | +201099340306 | [mostafaboshta9@gmail.com](mailto:mostafaboshta9@gmail.com) | [LinkedIn](#) | [GitHub](#)

## PROFILE SUMMARY

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Data Engineer with strong skills in data architecture, database management, and data warehousing. Experienced in Python, SQL, Apache Spark, Airflow, Jenkins, and Git for data automation and version control. Dedicated to driving data-informed decision-making.

## INTERNSHIPS

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### Information Technology Institute (ITI) Program

May 2024 – Sep 2024

*Data Engineering Track – Menofia Branch*

### Software Engineer @ Watanya For Roads

Mar 2023 – Mar 2024

*Nasr City*

*(Military Service)*

- Gathered requirements and developed software architecture.
- Led development and testing for high-quality software.

## EDUCATION

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### Faculty of Electronic Engineering – Menofia University

Aug 2017 – Jul 2022

*Bachelor of Computer Science and Engineering*

*Grade: Good*

## PROJECTS

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Driver Monitoring System | *Python, SVM, OpenCV*

Jul 2022

Amazon Sentiment Analysis | *Python, NLP*

Dec 2023

Image Filtration GUI | *Python, Tkinter*

Sep 2021

Plastic Debris Detection Model | *Python, Transfer Learning*

Jul 2021

## TECHNICAL SKILLS

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**Programming:** Python (pandas, matplotlib) — Web scraping (Beautiful Soup, Selenium) — Shell scripting.

**Tools:** VS Code — Docker — Jenkins (CI/CD) — Git.

**Data Engineering:** Apache Hadoop, Spark, Airflow — ETL (Talend, SSIS).

**Cloud:** AWS EC2, VPC, S3, Lambda.

**Databases:** SQL Server — MongoDB — Data warehousing.

## COURSES AND CERTIFICATES

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- Microsoft Fabric Analytics Solutions
- Associate Data Engineer - DataCamp
- Machine Learning Specialization - Coursera

## ACHIEVEMENTS

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- **Best Engineering Idea – FEE Control Exhibition** Jun 2022
- **1st Place in NASA Space Apps Global Competition** Jun 2021

## LANGUAGES

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- **Arabic:** Native
- **English:** Intermediate