



Ahmed Gomaa

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🐙 **GitHub**: <https://github.com/ahmedfathygomaa>

Date of birth: 29 Sep 2002 **Nationality**: Egyptian

ABOUT ME

I seek to improve my knowledge in Data Science and AI, focusing on practical solutions that make a difference.

EDUCATION AND TRAINING

[4 Oct 2021 – Current] **Bachelor of Statistics and Computer Science**

Sivas Cumhuriyet University <https://www.cumhuriyet.edu.tr/>

City: Sivas | **Country**: Türkiye

WORK EXPERIENCE

[7 Oct 2024 – Current] **AI & Image Processing Engineer | Autonomous Robotics**

Technofest Turkey (YİĞİDO TEAM)

Country: Cyprus

- **Built an AI perception system** for object detection and navigation using OpenCV, YOLO.
- **Optimized models and image processing** to enhance control and reduce latency

[15 Jul 2024 – 4 Oct 2024] **Data Scientist | Image Analysis Engineer**

SOPAT GmbH

City: Berlin | **Country**: Germany

- **Evaluated measurement technologies** using statistical and image analysis.
- **Developed data correlations** to enhance data accuracy and validate results.

[13 Oct 2023 – 5 Sep 2024] **AI & Computer Vision Engineer**

Technofest Turkey (YİĞİDO TEAM)

City: Antalya | **Country**: Türkiye

- **Enhanced vehicle perception** using sensor data and computer vision.
- **Improved autonomous control** with machine learning and predictive analytics.

PROJECTS

Line Detection

I designed and built a custom robot from scratch using Raspberry Pi 5, integrating computer vision techniques to accurately detect black lines on the ground.

Link: <https://github.com/ahmedfathygomaa/Line-Detection>

Hospital database system

Designed an SQL-based hospital database to manage patient records, staff, appointments, treatments, and insurance data.

Link: <https://github.com/ahmedfathygomaa/Hospital-database-system->

SCHOLARSHIPS

[15 Jul 2024 – 4 Oct 2024]

Erasmus Scholarship for Summer Training in Germany

Ranked first in the Erasmus scholarship selection exam and awarded a summer internship in AI, Image Processing, and Data Science in Berlin, Germany.

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

🇬🇧 **English**

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Turkish

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

TECHNICAL SKILLS AND TOOLS

- Programming & Software Development

- **Good knowledge of Python, OOP, and problem-solving.**
- **Good knowledge of NumPy, Pandas, and Matplotlib.**

- Machine Learning, Deep Learning, and Image Processing

- **Good knowledge of Scikit-learn** for machine learning models.
- **Good knowledge of TensorFlow** for deep learning.
- **Good knowledge of OpenCV** for image processing.

- Data Analysis

- **Programming Languages:** Python , R .
- **Tools:** SPSS , Tableau.

- Good Knowledge in SQL and database management

- Embedded Systems & Hardware Experience

- Basic knowledge about embedded systems.
- Good Knowledge and hands-on experience with Raspberry Pi.

- Good Knowledge in MS Excel, MS Word, Power Point, MS Access

- Project management

- **Microsoft project , Jira**

MANAGEMENT AND LEADERSHIP SKILLS

Communication

Responsibility

Hard working

Management