

Sondos Amr

Data Scientist & Data Analyst

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🌐 [Sondos Amr | Portfolio](#)

EDUCATION

Fayoum University

Bachelor of Engineering – Computer and Systems Engineering

- GPA: B+

2020 – 2025

Fayoum, Egypt

INTERNSHIPS

Microsoft & MCIT – Tawar w Ghayar

Data Analysis Trainee

- Completed foundational training in data analysis and BI, gaining practical experience in data cleaning, visualization, and insight generation using Excel, Power BI, and Python.

Aug 2025

Remote

Samsung Innovation Campus

AI Intern

- Completed intensive AI training focused on **machine learning**, **deep learning**, and **big data**, with real-world applications and model deployment.
- Enhanced **Python** skills by implementing supervised and unsupervised algorithms using **NumPy**, **Pandas**, **Scikit-learn**, and **TensorFlow**.
- Built interactive dashboards with **Power BI** to visualize model insights and key performance metrics.
- Worked on projects involving data preprocessing, feature engineering, model training, and performance evaluation.

Jul 2024 – Oct 2024

Cairo, Egypt

DataCamp

Data Science course

- Learned key data science tools and concepts including **Python**, **Pandas**, **NumPy**, and **data visualization** libraries such as **Matplotlib** and **Seaborn**, along with **Scikit-learn** for machine learning.
- Built a project analyzing Google Play Store data: cleaned, visualized, and extracted insights from app market datasets.

Aug 2022 – oct 2022

Remote

Experience

Arabic System Management App

Personal Project – Python Desktop App

- Built a Python desktop application to automate the creation of personalized Arabic educational booklets using Excel and Word templates, converting them to secure high-resolution PDFs and uploading them to Google Drive.
- Integrated WhatsApp automation to send personalized messages with Drive links, and used multithreading to optimize processing time.

March 2025 – Oct 2025

Educational Content Developer – Children's Programming

Self-initiated Project

- Created programming materials and interactive tutorials for kids using Scratch, mBlock, Python, HTML, and CSS.
- Designed classroom-ready examples, animations, and games focused on engagement and clarity for young learners.

March 2025 – April 2025

Curriculum Developer & Teaching Assistant – Coding With Us

Fayoum, Egypt

- Designed and developed programming course materials for university students.
- Solved programming problems, labs, and guided students in their projects.
- Courses covered: Java, Discrete Mathematics, Computer Organization, Logic.

Aug 2025

PROJECTS

BEAR – Bone Estimation and Age Reporting

Graduation Project – Deep Learning for Medical Imaging

[Repo](#)

- An AI system that predicts pediatric bone age from hand X-ray images using CNNs, and generates automatic diagnostic reports.
- Tools & Tech: **Python, TensorFlow, Keras, CNNs (VGG19, ResNet, ViT), Transfer Learning, OpenCV, Google Colab, Firebase.**
- Led the **deep learning pipeline** for bone age estimation from X-ray images using CNNs, achieving high accuracy on medical datasets.
- Received **Excellent** grade and ranked **1st in Project Documentation** by the faculty.

ACHIEVEMENTS

Nasa Space Apps Hackathon

Oct 2024

Winner

Cairo, Egypt

- Preprocessed seismic data for earthquake analysis — project ranked among the top 10 winners.

ACTIVITIES

Enactus

Feb 2021 – May 2022

PR Member

Fayoum, Egypt

- Organized student events and developed key soft skills.

TECHNICAL SKILLS

Programming: Python Code | C++ Code | OOP | Java | Data Structures | Problem-solving | Git & GitHub | Angular | React | Node.js | JavaScript | HTML | CSS

Machine learning: TensorFlow | PyTorch | ML algorithms | Analytical statistics | Linear algebra | Data processing | Image processing | Computer vision | CNNs | Object detection | GAN | ViTs | Transformers | LSTM | Pandas | NumPy | Scikit-Learn | Keras

Data Analytics: Excel | Power BI | Reports and dashboards | Looker Studio | Data visualization | MySQL | Databases

Soft Skills: Planning | Management | Public relations | Teamwork | Analytics challenges

Languages

Arabic — Native language

English — Very good