

# Ziad Mostafa

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## Education

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### Benha University

B.Sc. in Computer Science

Benha, Egypt

Sep 2021 – Jun 2025

- GPA: 3.56/4.0
- Major: Artificial Intelligence
- **Relevant Coursework:** Machine Learning, Deep Learning, Data Science, NLP, Computer Vision

## Experience

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### Data Scientist *Disco*

Apr 2025 – Jun 2025

- Researched and evaluated blockchain platforms (Hyperledger Fabric, Solana, Sui, Worldcoin, Injective, Onyxcoin, EOS) for integration into a decentralized social media ecosystem.
- Conducted comparative analysis on scalability, governance, revenue, identity systems, and EVM compatibility.
- Authored a comprehensive report recommending optimal blockchain solutions for multi-role governance and biometric identity verification.
- Advised on platform architecture for secure digital identity, automated revenue distribution, and zero-knowledge proof use cases.

### Vice Head of Data Science and AI *GDG On Campus BU*

Oct 2024 – Apr 2025

- Led the Data Science and AI team, mentoring members on AI and machine learning projects.
- Organized and conducted workshops, including online sessions, to enhance technical skills among students.
- Facilitated over 200 hands-on training sessions in data science tools and frameworks for more than 1000 members, significantly enhancing team capabilities.

### Data Scientist Trainee *ShAI*

Feb 2024 – Sep 2024

- Gained hands-on experience in machine learning and data science workflows.
- Actively utilized data manipulation, visualization, and ML techniques using Python libraries.
- Developed skills in project management, storytelling, and time management.

### Data scientist *NTI*

Jul 2024 – Aug 2024

- Actively utilized various ML algorithms, data preprocessing, and model evaluation techniques.
- Gained proficiency in ML tools and libraries for real-world data analysis.

### Data Scientist *ZeNN*

Mar 2024 – Jul 2024

- Cleaned, analyzed, and visualized data using Python and data analysis tools to derive actionable insights.
- Developed time series forecasting models, improving predictive accuracy and supporting strategic business decisions.
- Collaborated with cross-functional teams to identify business needs and create data-driven solutions.

### Data Analyst Intern *Enakl*

Jan 2024 – Mar 2024

- Cleaned, analyzed, and visualized data using Python, SQL, Looker Studio, and Google Colab.
- Conducted data quality assessments and implemented data cleaning procedures.
- Created comprehensive reports to present key insights and support business decisions.

## Projects

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### Facial Age Transformation

- Deep learning model performing facial age transformation using CycleGAN architecture.

### Real-time Sign Language Recognition

- Real-time application using MediaPipe and TensorFlow for hand gesture recognition.

### Image Captioning System

- Combined DenseNet201 and LSTM model for generating image descriptions.

### **Fake News Detection**

- RNN and LSTM models for detecting fake news articles.

## **Skills**

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**Programming Languages:** Python, R, SQL, C++, Java

**Data Analysis:** Pandas, NumPy, Matplotlib, SciPy

**Data Visualization:** Power BI, Tableau, Python, Excel, Seaborn, Plotly

**Machine Learning:** Scikit-learn, TensorFlow, Keras, PyTorch, Azure Machine Learning

**Soft Skills:** Teamwork, Collaboration, Effective Communication, Problem-Solving, Analytical Thinking

**Other Skills:** Data Wrangling, OOP, Data Structures, Algorithms, RESTful APIs, Git, GitHub, Docker, Microsoft Azure, Linux

## **Courses & Certifications**

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- Microsoft Certified: Azure Data Scientist Associate [🔗](#)
- Google Data Analytics Professional Certificate [🔗](#)
- IBM Data Analyst Professional Certificate [🔗](#)
- Data Analyst in Power BI - Datacamp [🔗](#)
- Data Analyst in SQL - Datacamp [🔗](#)

## **Languages**

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**Arabic:** Native

**English:** Fluent

**German:** A1