

ESRAA SAYED

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Highly skilled Machine Learning Software Developer with experience in creating, designing, and developing AI-based software applications. In-depth understanding of machine learning and deep learning concepts, hands-on experience in data analysis, visualization, supervised and un-supervised learning, computer vision, and natural language processing. Proficient in programming with Python, C and Java, experienced in working with web frameworks like Django and big data frameworks like Spark. Able to build efficient and robust software, develop and implement ML models using libraries like Scikit-Learn, TensorFlow. Strong analytical and problem-solving skills. Constantly learning to polish existing skills and learn new ones, with a strong passion for staying up to date with the latest advancements in AI and ML. Proactive and effective verbal communicator, who is a good team player, committed to delivering software solutions that drive business results.

EXPERIENCE

GIZA SYSTEMS

Machine Learning Software Developer | SEP 2022 – PRESENT

- Leading R&D project to create AutoML Engine for time series forecasting.
- Participating in the development of an Advanced Analytics product leveraging Machine Learning techniques for real-time forecasting and clustering of time series data sourced from smart industrial cities.
- Develop and review software application code, ensuring adherence to coding standards and architectural principles. Apply software engineering principles and methods, including object-oriented programming (OOP), to implement ML solutions.

EDUCATION

9-MONTH PROFESSIONAL POSTGRADUATE DIPLOMA, AI AND ML TRACK

Information Technology Institute | Nov 2021 – Aug 2022

A 9-month post-graduate professional training program in Machine Learning and Artificial Intelligence, developed in partnership with the French EPITA School of Engineering and Computer Science.

B.SC. IN SYSTEMS AND BIOMEDICAL ENGINEERING

Faculty of engineering, Cairo university | Sep 2016 – Jun 2021

Graduated with Distinctive accumulative degree with honor, GPA (3.89)

CERTIFICATIONS

[Teradata Vantage Data Science Certification](#) | Dec 2023

SKILLS

- **Programming Languages:** C, Python, Java, MySQL
- **Data Management and Workflow:** Apache Kafka, Apache AirFlow, MLFlow
- **Machine Learning:** Scikit-Learn, Spark ML, Auto-sklearn
- **Big Data Systems:** Apache Spark
- **Version Control:** GitHub
- **Python Libraries:** NumPy, Pandas, Scikit-Learn, Dash Plotly.
- **Web Development and Application Frameworks:** Django Framework, Django RESTful
- **Containerization and Programming:** Docker, Object-Oriented Programming (OOP)
- **Personal Skills:** Diligent worker, Organized, Team worker.