\*\*Job Title:\*\* Data Scientist and Machine Learning Engineer

\*\*Company Name:\*\* Nile Analytics Co.

\*\*Location:\*\* 250 Nile Avenue, Maadi, Cairo, Egypt

\*\*Job Type:\*\* Full-Time

\*\*About Us:\*\*

Nile Analytics Co. is a leading data-driven solutions provider in Egypt, helping businesses unlock the power of data to drive innovation and growth. We are seeking a talented Data Scientist and Machine Learning Engineer to join our team and contribute to the development of advanced analytical models and AI solutions.

\*\*Key Responsibilities:\*\*

- Design, develop, and implement machine learning models and algorithms to solve complex business problems.

- Work with large datasets to extract meaningful insights and drive data-driven decision-making.

- Collaborate with cross-functional teams to identify business needs and translate them into data science and machine learning projects.

- Develop and maintain data pipelines, ensuring the quality and integrity of data used for analysis.

- Perform exploratory data analysis (EDA) and feature engineering to optimize model performance.

- Deploy, monitor, and maintain machine learning models in production environments.

- Stay updated with the latest advancements in machine learning, AI, and data science techniques.

- Communicate findings and recommendations to both technical and non-technical stakeholders through reports, visualizations, and presentations.

- Contribute to the development of best practices and tools for data science and machine learning within the organization.

\*\*Qualifications:\*\*

- Bachelor’s or Master’s degree in Data Science, Computer Science, Statistics, Mathematics, or a related field.

- Proven experience as a Data Scientist or Machine Learning Engineer, with a strong portfolio of successful projects.

- Proficiency in programming languages such as Python or R, and experience with machine learning libraries and frameworks (e.g., TensorFlow, PyTorch, scikit-learn).

- Strong understanding of statistical analysis, data mining, and predictive modeling techniques.

- Experience with big data technologies and tools (e.g., Hadoop, Spark) and cloud platforms (e.g., AWS, Azure).

- Ability to work with structured and unstructured data, including experience with SQL and NoSQL databases.

- Excellent problem-solving skills and the ability to work independently on complex tasks.

- Strong communication skills, with the ability to convey complex concepts to both technical and non-technical audiences.

\*\*Preferred Qualifications:\*\*

- Experience with deep learning techniques and neural networks.

- Familiarity with natural language processing (NLP) and computer vision.

- Knowledge of MLOps practices and tools for deploying and managing machine learning models at scale.

- Experience with version control systems (e.g., Git) and collaborative coding practices.

\*\*Benefits:\*\*

- Competitive salary and performance-based bonuses.

- Comprehensive health and dental insurance.

- Opportunities for professional development and career advancement.

- Flexible working hours and the possibility of remote work.

- A dynamic and innovative work environment.

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