Mohammed Zaki

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SUMMARY

Passionate machine learning and data-driven analyst with the ability to apply ML techniques and leverage algorithms to solve real-world business problems. Established ability in deploying effective predictive models across different industries to accurately forecast consumer behavior and deliver proven results.

Click to Enter Heading

Machine Learning Engineer   Sep '19 - Aug '23

Computers & Artificial intelligence | Cairo

Data Visualization

- Assisted in model development, testing, and validation of **100+ products** and services
- Created charts in **Jupyter Notebook** to perform analysis & visualize data using **Matplotlib**

Predictive Modeling

- Predicted stock price with **98% accuracy** to enable the company to make informed investments
- Developed an **algorithm** to understand **customer behavior** leading to 95% success in targeted marketing campaigns

Machine Learning Systems

- Made multiple touch-sensitive ML systems in all the office floors to improve the company's **safety networks**
- Devised high-performance ML systems to **detect abnormality**, intrusion, fraud, masquerading, malware, etc.

Junior Analyst - Machine Learning & AI   Jan '17 - Dec '18

Shorest LLP | Bengaluru, IN

EDUCATION

Faculty of Computers & Artificial Intelligence Cairo University   Sep '19 - Aug '23

Department Artificial Intelligence | Giza-Egypt

- Course Modules:
  - Basics of Python | Pandas for importing data and pre-processing
  - Machine Learning | Deep Learning
  - Supervised Vs Unsupervised Learning
  - NLP | Reinforcement Learning
  - Statistics and Optimization
  - Algorithm Analysis & Design

KEY SKILLS

- **ML Algorithms:**
PCA, Random Forest, Decision Tree,
CNN, SVM, K-means, KNN, Naive Bayes, Linear regression, Logistic regression
- **Data Visualization**

TECHNICAL SKILLS

Tools: Python, Jupyter notebooks, Google Colab.

Packages: Scikit-Learn, NumPy, SciPy, Pandas, NLTK.

Statistics/Machine Learning: Statistical Analysis, Linear/Logistic Regression, Clustering, Regularisations.

CERTIFICATIONS

Python Certification Training | NTI | Jul '18 - Agu '18

ADDITIONAL INFORMATION

- **Languages**: English and Arabic