Omar Ramy

Cairo, Egypt, 01553236783,oramy954@gmail.com

Objective:

Motivated Computer Science student at Ain Shams University with a strong foundation in machine learning, data analysis, and Python programming. Eager to apply practical knowledge of classification, regression, and anomaly detection in a real-world setting. Seeking a Machine Learning Internship at Valify Solutions to contribute to innovative AI-driven solutions while gaining hands-on experience in model development, evaluation, and deployment.

Education:

Sep 2023 – Jun 2027

Bachelor of Computer Science (Ain Shams University)

GPA: 3.5

Extracurricular Activities:

Nov 2023- Jun 2024

Connect x Internship:

- Gained extensive knowledge in AI and machine learning.
- Developed expertise in Python.
- Built multiple projects in machine learning and deep learning.

Jun 2024

Connect x mentor:

- Developed more advanced AI projects.
- Managed to gain more leadership skills
- Provided explanations on various ML techniques, including SVM, Linear Regression,Logistic Regression, and Neural Networks

Nov 2023-Jun 2024

ACM Internship:

- Strengthened C++ programming skills.
- Solved over 400 problems on Code forces.
- Gained proficiency in algorithms, including binary search, graphs, number theory, recursion Dynamic programming, and data structures

Nov 2024

Applai Internship:

- Specialized in NLP and Deep Learning
- Developed Multiple NLP-Based Projects
- Enhanced Deep Learning Expertise

Skills:

- **Programming Languages: C++, Python, Java.**

- **AI: Machine Learning Algorithms, NLP, Computer Vision**

- **Software Development: OOP, Data structures, Algorithms**

- **Soft Skills: Team Leadership, Problem Solving, Communication, Working under pressure**

- **Tools & Libraries: TensorFlow, PyTorch, OpenCV, QT**

Projects:

Watch It Project System (Sep 2024 – Dec 2024):

- Improved Java Programming Skills
- Learned OOP Concepts
- Developed the Front End using JavaFX.

Fake news Detection Chatbot (Jan 2025 – Feb 2025):

- Implemented LSTM with PyTorch on a large Fake news dataset
- Achieved 99.7% Accuracy

Image Compression Project (Jul 2024 – Aug 2024):

- Implemented KNN algorithm for image compression, Reducing image size while maintaining Clarity
- Strengthened machine learning expertise

Mini Wasalni Project(Feb 2025 - June 2025):

- Data structure Project for getting the min distance between two cities
- Used Dijkstra , A* and Belford Algorithms
- Traversal Using BFS and DFS
- Powerful GUI Using QT Creator

Another small projects:

- **Supermarket Sales Forecasting**
- **Disney Movie Recommendation System**
- **Human Disease Detection**
- **Car Defect Detection with Anomaly Detection**
- **Arabic Letters Image Recognition**
- **Fine-Tuned GPT-3 for Movie Information**
- **Game using SFML**
- **Number Recognition Project**
- **Car Price Prediction + GUI (using Stream Lit)**

Courses and Certificate's:

.Supervised Machine Learning Course:

Certificate Link:

https://coursera.org/share/17ddf8dac32f7e650edd34b009c88cd0

.Unsupervised Machine Learning Course:

Certificate Link:

https://coursera.org/share/83c3680244d30231c70c62517d017e5b

.Advanced Machine Learning Course:

Certificate Link:

https://coursera.org/share/09264de9a31d8c131939f5aef7adb5a7

.Machine Learning Specialization Course:

Certificate Link:

https://coursera.org/share/12167eba34084d19b666ed743623128a

.Introduction to Pytorch Data camp Course:

Certificate Link:

https://www.datacamp.com/statement-of-accomplishment/course/eaee62726f9283f0260827da42196215f46fbe32?raw=1

.Intermediate Pytorch Data Camp Course:

Certificate Link:

https://www.datacamp.com/statement-of-accomplishment/course/75c210f948586ece18fa909739668f78c3ed97f1?raw=1

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.Deep Learning For Text With PyTorch:

Certificate Link:

https://www.datacamp.com/completed/statement-of-accomplishment/course/e5e49ecf6c6ecc27444b763af88de9a41f81fadf

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