Ibrahim Mustafa AI / ML Engineer

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📍 Giza , Egypt

Profile

Passionate recent graduate with expertise in AI and machine learning engineering. Skilled in implementing and deploying models using scikit-learn and TensorFlow. Proficient in web development with MEAN stack (Angular, Node.js). Experienced in SQL and NoSQL databases. Committed to advancing AI technologies and seeking opportunities for impactful contributions.

Education

2023/10 – 2024/06 smart village, Egypt	**9 Month Diploma, Professional Training Program, AI and Machine Learning Track, Information Technology Institute (ITI)**
2018/09 – 2022/06 6 october, Egypt	**Bachelor of Computer Science, MISR UNIVERSITY**

Experience

2024/05 – present

Driver Pattern Classification | Brightskies
- Ongoing development of machine learning models to profile and classify driving patterns using real-world vehicular data.
- **Tools :** MlFlow, Optuna, Scikit-Learn, Git

2022/11 – 2023/01

Med Care Egypt | Freelancing
- Developed fullstack web app for Med Care Egypt.
- **Tools :** Angualr, Bootstrap, NodeJs, Express Js

2022/06 – 2022/09
6 october

Internship at AITC, Software Engineer
- Summer Internship Program as intern at the Artificial Intelegence Techonology Center.
- **Tools :** Html, Css, Javascript, Git

Technical Skills

Programing language
Python, JavaScript, C, C++

Machine Learning Tools
NumPy, Pandas, Scikit-Learn, TensorFlow, MlFlow, Optuna

Web Development
Bootstrap, Angular, Angular Material, NodeJS

Automation
UiPath

Programming Concepts
Problem Solving, OOP, Data Structures, Algorithms, Random Search Optimization

Machine Learning Concepts
Deep Learning, Computer Vision, Natural Language Processing, Llms

Data Visualization
Dash, PowerBI, Plotly

Data Management
Hadoop, Spark, SQL, MongoDB, Redis

Soft Skills

- Time Management
- Committed
- Communication
- Collaboration
- Teamwork
- Problem-solving
- Flexibility
- Adaptability
- Leadership

Projects

2024/05 – 2024/05

Movie Recommendation Web App 🔗
- Developed a movie recommendation system using deep learning techniques, incorporating content-based filtering.
- **Tools :** Tensorflow, Pandas, FlaskApi, Angular

2024/03 – 2024/03

Signature Verification & Detection | ITI 🔗
- Developed a Signature Verification & Detection system.
- **Tools :** Tensorflow, Numpy, Ultralytics Api

2024/02 – 2024/02

Customer Credit Card Segmentation Analysis | ITI 🔗
- Applied clustering techniques to categorize customers based on credit card usage patterns and behaviors.
- **Tools :** Pandas, Numpy, Scikit-Learn, Matplotlib, Dash, Plotly

2024/01 – 2024/02

Head Pose Estimation | ITI 🔗
- Developed a head pose estimation Model.
- **Tools :** Mediapipe, Numpy, Pandas, Scikit-Learn

2022/01 – 2022/05

Face Verification Door Lock System | College 🔗
- Implemented a Deep Learning Siamese Network for face verification.
- **Tools :** TensorFlow, Numpy, opencv

Courses

2024/04 – 2024/05

Machine Learning Foundations, AWS 🔗

2024/03 – 2024/03

Cloud Foundations, AWS 🔗

2023/06 – 2023/08

Deep Learning Specialization, Coursera 🔗

2023/02 – 2023/05

Machine Learning Specialization, Coursera 🔗

2022/05 – 2022/09

ITI Tech Leaps Mean Stack Developer, Information Technology Institute (ITI)

Languages

Arabic — Native/Bilingual

English — Conversational