Hassan Muhammed

AI Engineer | Machine Learning Engineer | Software Developer | Cairo, Egypt

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Career Summary

I am an AI student in my third year of studies, with a solid background in software development. Currently expanding my expertise in machine learning and data science, I have completed several courses on Coursera and continue to deepen my knowledge in these fields. With hands-on experience in software development and a growing focus on AI, I am looking to specialize in data science and apply my skills to real-world challenges.

Education

Cairo University, Faculty of Computers and Artificial Intelligence   Sep 2022 – June 2026

- GPA: 2.91/4.0
- **Coursework:** Computer Architecture, Machine Learning, Data Structures, Software Engineering, Algorithms, Operating Systems, Databases, Computer Networks

Experience

System Adminstrator, Summer Internship – Bank NXT   Sep 2024 – Oct 2024

- Gained insights into team collaboration, workplace operations, and system administration processes, with an overview of Oracle database management and IT operations.

Competitive Programmer,, ACPC Competition Qualifications   July 2024

- Participated in a team-based algorithmic problem-solving competition in Alexandria, solving challenging tasks under strict time constraints.
- Enhanced proficiency in advanced data structures and algorithms, sharpening skills applicable to competitive programming platforms like Codeforces and ICPC.

Courses

Advanced Learning Algorithms   Dec 2024

- Skills: TensorFlow, Neural Networks, XGBoost, Tree Ensembles.

Certificate Link

Supervised Machine Learning: Regression and Classification   Nov 2024

- Learned foundational machine learning concepts, including regression, classification, and evaluation metrics.

Certificate Link

Projects

Classify-Salary-Range   GitHub

- **Classify Salary Range Project:** Achieved 97% accuracy in predicting salary ranges using Random Forest and XGBoost, demonstrating the effectiveness of ensemble methods in machine learning.
- Technologies used: Python, scikit-learn, pandas, NumPy

eBookNest   GitHub

- Built and implemented a comprehensive library management platform featuring advanced book search, dynamic filtering options, user borrowing management, and robust CRUD functionality for books and user records.
- Tools Used: HTML, CSS, JavaScript, Django, python

TodoList Application   GitHub

- Developed a feature-rich to-do list application with functionality for task creation, editing, prioritization, deadline tracking, and real-time updates to enhance user productivity.
- Tools Used: Flutter, Dart

Skills

Languages: C++, C, Java, Python, Dart, C#, SQL, HTML, CSS, JavaScript

Frameworks and Tools: Flutter, Microsoft SQL Server, Django, Pandas, NumPy, Git, GitHub

Machine Learning: TensorFlow, Scikit-Learn

Data Prepration: Data preprocessing, feature engineering, exploratory data analysis

Core Concepts : Object-Oriented Design, SOLID principles, Complexity Analysis, Design Patterns ,GUI Development, Front-End Development, Problem Solving ,Database , Algorthims, Data Structures, Machine Learning , Deep Learning