Mina Maher Tawfik Saleh

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Education

Cairo University   09/2023 – 08/2027
Faculty of Computers and Artificial Intelligence Cairo university
Gpa: 3.32

About Me

I am a passionate Machine Learning Engineer and Computer Science Student with a strong foundation in software design and development. I excel at problem-solving, teamwork, and effective communication. Skilled in applying AI techniques to build innovative solutions. Continuously eager to learn and adapt in fast-paced environments.

Courses

Machine Learning Specialization (DeepLearning.AI) ⌕

The Complete JavaScript Course 2025: From Zero to Expert! ⌕

Learn, Analyse and Implement Data Structure using C and C++. Learn Recursion and Sorting ⌕

Projects

JOB-FINDER WEBSITE ⌕   04/2025 – 05/2025
- Developed a role-based job portal supporting two user types: company admins and job seekers
- Implemented secure **sign-up/login system** with dynamic form fields and user type selection
- building job management features for company admins (add, update, delete, and list job posts)
- Enabled users to search for jobs by title, view job details, and apply to open positions
- Built dynamic **navigation bar** logic to display user-specific options based on login role and status

Car insurance Database   04/2025 – 05/2025
Role: Database Designer & Developer
- Designed and implemented a relational database system based on real-world insurance operations
- Created a fully normalized ERD capturing:
- Converted the ERD into a physical schema using DDL scripts with proper keys and constraints
- Developed logic for managing customer, car, and accident records (add, update, delete)
- Wrote advanced SQL queries

Movie_Recommendation_System ⌕   02/2025
- Developed a movie recommendation system using Python, NLP techniques, and Scikit-learn.
- Utilized Natural Language Processing (NLP) with TF-IDF vectorization to analyze and process textual movie descriptions.
- Implemented Cosine Similarity to measure the relevance of movies based on text-based features.
- Used Pandas and NumPy for data preprocessing and feature extraction.
- Achieved an efficient recommendation system leveraging NLP for improved content-based filtering.

Customer Churn Prediction using Machine Learning ⌕   03/2025
- Developed a customer churn prediction model using Python, Scikit-learn, XGBoost, and TensorFlow.
- data preprocessing, handling missing values, and feature engineering.
- Conducted exploratory data analysis (EDA) using Matplotlib and Seaborn to visualize key insights.
- Implemented and optimized machine learning models with Scikit-learn and XGBoost for better accuracy.

BabyPhotoshop for Image Processing ⌕   12/2023
•Building an image processing tool similar to Photoshop, implementing basic image filters.
•Used C++ and Simple Image Processing Algorithms to manipulate and enhance images.
•Integrated real-time preview and user-friendly interface, improving usability.

Technical Skills

- **programming Languages:** Python, Java, C++, SQL
- **Machine Learning & AI:** TensorFlow, scikit-learn, XGBoost, Transformers, NumPy, pandas
- **Web Development:** Django, HTML, CSS, JavaScript, Tkinter
- **Database Systems:** Microsoft SQL Server, MySQL
- **Frameworks & Tools:** Git, VS Code, Jupyter Notebook, Postman
- **Software Engineering:** Object-Oriented Programming (OOP), REST APIs, Scrum and system modeling , Data Structures & Algorithms, Sorting Algorithm Optimization and GUI Development
- **soft skills:** Teamwork, Project management, Team leading, Problem Solving

Languages

- English

- Arabic (native language)