Yousef Hesham Mohamed

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Recent B.A. Computer Science (AI) graduate with hands-on experience in machine learning, automation, and software testing. Built multiple AI-driven projects using Python, TensorFlow, and Scikit-learn. Completed a Software Testing internship at Atos, gaining practical experience in both manual and automation testing processes. Seeking junior roles in AI development or software testing to grow my skills.

EDUCATION

Arab Open University   Sep 2021 – Jun 2025
B.A. in Computer Science and Artificial Intelligence

EXPERIENCE

Software Testing Engineer Intern – Atos   Aug 2025 – Nov 2025
- Participated in manual and automation testing activities for a CRM, CMS and DMS workflow projects.
- Designed and executed test cases, identified and documented bugs.
- Assisted in building an automation framework to improve efficiency in recurring test scenarios.
- Collaborated with mentors to review and validate test results in alignment with SDLC and ISTQB standards.

PROJECTS

Stock Prediction System

LSTM, FastAPI, Streamlit

- **Built a deep learning model (LSTM) to predict stock prices using historical data.**
- **Developed a FastAPI backend for model serving and a Streamlit frontend for real-time visualization.**

AI Agent

LangChain, Gemini API

- **Developed a custom AI agent with multiple tools (calculator, web search, greeting system).**
- **Built using LangChain's framework to handle reasoning and tool use dynamically.**

CO_2 Emission Regression

Scikit-learn, Pandas, Matplotlib

- **Created a linear regression model to predict CO_2 emissions from vehicle data.**

AI Resume Critiquer

Gemini API, Streamlit

- **Developed an interactive web app that analyzes resumes using Google's Gemini AI model.**
- **Extracts text from uploaded PDFs/TXT files and provides personalized, structured feedback for job seekers.**

PDPC Data Protection Testing System - MCIT

Manual Testing, API Testing, Azure DevOps, Swagger UI, Postman

- **Designed and executed manual + API test cases (Swagger, Postman) for the MCIT Data Protection platform.**
- **Used Azure DevOps to manage test cases, report bugs, track fixes, and perform regression testing after updates.**

Automation Testing Framework

Java, Selenium, TestNG, Maven

- **Developed a custom automation testing framework under mentor guidance during internship at Atos.**
- **Implemented Page Object Model (POM) design for the framework.**

Flight Reservation System

C#, .NET Console Application

- **Developed a console-based app in C# to manage flight seat reservations, baggage weight checks, and total fees**

SKILLS

- **Technical:** Python, C#, SQL, Pandas, Scikit-learn, TensorFlow, XGBoost, Selenium, Git, Postman, Swagger UI, Azure DevOps, FastAPI, Streamlit
- **Testing / QA:** Manual Testing, Test case design, Bug Reporting, Automation Testing
- **Soft Skills:** Communication, Problem Solving, Multitasking, Analytical Thinking, Adaptability
- **Languages:** English (Fluent / EFSET C2), Arabic (Native)

CERTIFICATES

Machine Learning with Python, *IBM – Coursera*   **Aug 2025**
https://coursera.org/share/1dbaabe019883a75e62aa29b1338098b

Foundations of Software Testing and Validation, *University of Leeds – Coursera*   **Sep 2025**
https://coursera.org/share/d0ff878790913267cff46be29bbd5bf2

EFSET English Certificate, *EFSET (C2 Proficient)*   **Mar 2021**
https://www.efset.org/cert/zcJAkB

Computer Hardware and Software, *University of California – Coursera*   **Jan 2022**
https://coursera.org/share/8916adf30a1a77490ed154440c1f2a7b