Rawan Gamal Abdullah

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SUMMARY

Final-year Computer and Systems Engineering student with a strong foundation in **Artificial Intelligence**, **Data Science**, **Cybersecurity**, **Embedded Systems**, and **Web Development**. Experienced in practical projects and technical internships, currently completing the **Microsoft Machine Learning Engineer** program with DEPI. Eager to apply problem-solving and programming skills to real-world challenges in the tech industry.

SKILLS

Programming Languages: Python, C++, C, Java, C#, JavaScript, jQuery, Embedded C, SQL, HTML, CSS
Data Science & AI: Python for Data Science, Data Analysis, Data Visualization, Machine Learning, Statistics, NumPy, Pandas
Tools & Platforms : Microsoft Office, GitHub
Soft Skills: Problem Solving, Critical Thinking, Creativity, Teamwork, Time Management

EXPERIENCE

Cyber Security Training   *Jul 2024 – Aug 2024*
Information Technology Institute (ITI)

- Completed an intensive Cyber Security Training Program covering **Computer Network Fundamentals**, Advanced Networking, **Cyber Security Essentials**, and **Ethical Hacking**, while gaining practical experience with **Palo Alto (PCCET)** and **Fortigate (NSE4)** security tools. Developed hands-on skills in protecting digital systems, thinking like a cyber defender, and deepening understanding of network security concepts and industry best practices.

Intro to Programming Internship   *Jul 2019 – Aug 2019*
Next Coders

- Developed front-end and basic back-end skills using **HTML**, **CSS**, **JavaScript**, and **Python** by building hands-on projects such as an animal trading cards web page, an adventure game, and a pixel art maker. Strengthened **web development**, **coding**, and **problem-solving** abilities through practical application, and learned to build interactive, creative web applications in a collaborative environment.

PROJECTS

Restaurant Management System

- Built a Restaurant Management System using **C#** and an **SQL database** to handle restaurant operations such as order processing, inventory tracking, and billing, streamlining daily tasks and ensuring efficient service management.

Railway Reservation System

- Created a dynamic Railway Reservation System Website using **HTML, CSS, JavaScript, jQuery,** and **Bootstrap** to allow passengers to book train tickets online, check train schedules**,** seat availability, and calculate fares. This project replaces manual booking with a smooth, user-friendly web-based solution.

Smart Home

- Designed a Smart Home system using **Embedded C** to transform traditional living spaces into intelligent, interconnected environments, enabling remote control and monitoring for improved comfort, convenience, efficiency, and security for homeowners.

AI ChatBot

- Built an AI ChatBot using **Python**, **TensorFlow**, **Keras**, and **NLTK**, applying **NLP** for tokenization, lemmatization, and intent classification from JSON data. Deployed the trained model with **Anvil** to handle human-like conversations.

Brick Breaker Game

- Developed a Brick Breaker Game using **Java**, featuring bricks aligned at the top of the screen and a player-controlled ball and platform that can be moved with arrow keys. The goal is to smash as many bricks as possible, providing entertainment while improving reaction time and observation skills.

EDUCATION

Bachelor 's Degree in Computer and Systems Engineering *Aug 2021 – Jul 2026*
Helwan University
Grade: Excellent

COURSES & CERTIFICATES

AI Programming with Python *Jan 2021*
Udacity

Applied Data Science Specialization *Jul 2020*
Coursera

Web Development Challenger Track *Jul 2020*
egFWD / Udacity

IT Essentials *Jul 2017*
Cisco Networking Academy

LANGUAGES

Arabic: Native
English: Proficient