

# Yousef Radwan

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## SUMMARY

I am a computer science student majoring in AI and data science. I am passionate about AI and data science, and I am particularly interested in natural language processing (NLP).

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## EDUCATION

### B.S in Computer science and information technology(AI&Data Science)

Egypt-Japan university of science and technology • 2021-2025 • 3.1GPA

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## COURSEWORK

### Introduction to programming

Introduction to the main concepts in programming (variables, functions, loops, control flow) using c++ and python

### Data structures and Algorithms

Studying the most frequent algorithms and data structures and implementing them in c++.

### Advanced programming

Studying the OOP, unit testing, design patterns and functional programming in python.

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## SKILLS

- **Programming languages:** Python, C/C++,C#, HTML, CSS, Javascript, ASP.NET web forms, Microsoft server sql
- **Languages:** Arabic, English, Japanese

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## PROJECTS

### A full Stack website for an Online Food delivery Company.

- Developed a full-stack website for an Online Food Delivery Company using HTML, CSS, JavaScript, ASP.NET, and SQL Server.
- Implemented various features and functions including user authentication, online payment system, point-of-sale system, and customer reviews section.
- Implemented an admin panel that the administrator could use to track orders and add products to the website.

### ATM Management System

- Created an ATM Management System that allows the user to deposit and withdraw money, as well as check their balance, by using C# for the back-end and .NET Forms for the front-end, and applying object-oriented programming (OOP) and UML diagrams to make a database using MySQL.
- The system allows users to perform basic ATM transactions, such as checking their balance, withdrawing cash, depositing money, and transferring funds. The system also has a security feature that allows users to set a PIN to protect their accounts.
- The ATM Management System project was a challenging but rewarding experience. The project allowed me to apply my knowledge of OOP, UML, and MySQL, and it gave me the opportunity to develop my skills in C# and .NET Forms. The project allowed me to manage and develop a team of five programmers and one tester.

### Basic Computer Assembler

- Developed a Python assembler for the Basic Computer Instruction Set Architecture (BCISA) as described in M. Mano's book "Computer System Architecture".
- Implemented the first and second pass of the assembler, following the flowchart in Mano's book.
- Translated all instructions and locations into binary format, with all binary locations (or addresses) being 12-bit and all binary instructions being 16-bit.
- Demonstrated strong skills in computer programming, computer architecture, and software testing.