Ahmed Mohamed Sadek

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PROFESSIONAL SUMMARY:

I'm an undergraduate third-year student at the Faculty of Computer and Data Science - intelligent systems program.
I pride myself on being a Problem Solver. I thrive on tackling complex challenges and finding creative solutions.
I am also a Lifelong Learner,committed to continuous learning and staying up-to-date with the latest advancements in the field of AI. I believe that the field of artificial intelligence is constantly evolving,and I am dedicated to expanding my knowledge and skillsto stay ahead of the curve.
I have developed a range of projects, from GUI-based applications to complex systems involving neural networks and data analytics. I am proficient in multiple programming languages, including Java, Python, C++, and SQL, and have experience with network simulation and various data science techniques

EDUCATION :

Bachelor of Computer Science - Intelligent Systems Department-Faculty of Computers and Data Science – Alexandria National University from 10/2023 2023-2027
CGPA: 3.71

EXPERIENCES:

- **Summer Trainee ,** *petrojet* June - 2024
- **Summer Trainee** , *Vodafone* July - 2024
- **ECPC** *Qualifications* July - 2024
- **Machine Learning Intern ,** *NTI (National Telecommunication Institute)* Jul-Aug - 2025
- **Summer Trainee** , *CIB (Commercial International Bank)* July - 2025
- **Quantum Intern Computing,** *Q-World* Jul-Sep - 2025

SKILLS:

- **Programming Languages:** *Python, Java, C++, Dart, JavaScript, HTML, CSS, PHP*
- **Frameworks & Tools:** *Flutter, Git, GitHub, MySQL, XAMPP, Jupyter Notebook, Google Colab, VS Code*
- **AI & Machine Learning:** *Supervised & Unsupervised Learning, Neural Networks, Computer Vision, Natural Language Processing, Expert Systems, Intelligent Agents*
- **Development & Design:** *Front-End Development, Mobile App Development (Flutter), GUI Design, Full-Stack Web Development*
- **Core CS Concepts:** *Data Structures & Algorithms, Object-Oriented Programming, Database Design, Probability & Statistics , Data Mining , Linear Algebra*
- **Methodologies :** *Testing & Debugging*
- **Platforms:** *Windows, Linux*

VOLUNTEER WORK:

- **Pivots ANU :** *Co-Head Scientific 2023-2025*
- **Pivots ANU :** *Head Development 2025*
- **Hacker Rank (FCDS) :** *Scientific Staff 2024-2025*
- **Hacker Rank (AUFS) :** *Staff Flutter 2023-2024*
- **Alexandria Library :** *Work as volunteer (IT)*

SOFT SKILLS:

•Critical Thinking •Communication Skills •Self Learning •Work under pressure
• Time Management • Leadership Prefer •work with Team works • Easy to adapt

LANGUAGE:

- **English** : *B1*
- **Arabic** : *Native Speaker*

CERTIFICATIONS & COURSES:

- Introduction to Artificial Intelligence – **IBM**
- Introduction to Python for Data Science, AI & Development – **IBM**
- Introduction to Machine Learning – **Sanford**
- Introduction to Databases – **Meta**
- Introduction to Front-End Development – **Meta**
- HCIA-Big Data Learning Course - **Huawei**

PROJECTS:

Guessing Game System : Intro to CS Course, First Semester of 2024

- Using Python

Blood Donation System : OOP Course, Second Semester of 2024

- Using object-oriented programming java with GUI and connected with DataBase System.

8-Puzzle with GUI : AI Course, Third Semester of 2025

- using Python to implement BFS , DFS , IDS and UCS Search algorithms

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Connect-4 with GUI : AI Course, Third Semester of 2025

- using Python to implement Minimax Algorithm and alpha-beta pruning Search algorithms

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Sudoku with GUI : AI Course, Third Semester of 2025

- using Python to implement CSP , ARC and Backtracking Search algorithms

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Car Rental System : Data Base Course, Third Semester of 2025

- using HTML, CSS, JavaScript, PHP, ensuring database security and validation checks.

Machine Learning Models : ML Course, Forth Semester of 2025

- Regression, KNN, KMeans, Naïve Bayes, Decision Tree, AdaBoost.

Face Recognize : ML Course, Forth Semester of 2025

- Python-based face recognition project on ORL dataset, utilizing PCA, LDA for dimensionality reduction, and K-NN classifier to tune parameters for enhanced accuracy.

Hybrid Recommendation Movie & Recommendation restaurant Sysyem

- Using TFIDF , Content based , collaborative and Hybrid Algorithms in python

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Plant Disease Classification System: Smart Course, Forth Semester of 2025

- KNN , Decision Tree , Random Forest and SVM Models in Python

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