

Nada Amr Salim

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Education

University of Alexandria, Faculty of Computing and Data Science

Sept 2023 – present

- GPA: 3.62/4.0

Projects

Hospital Management System

[github.com/HMIS](https://github.com/NaDa0Amr/HMIS)

- Designed a normalized SQL Server database with ERD and relational schema for managing hospital operations
- Integrated backend functionality using Django for patient records, appointments, and admin workflows
- **Tools Used:** SQL Server, Django

Web Scraping & Visualization (Sheglam)

- Scraped product data using Selenium and ChromeDriver, then cleaned it with regex and stored in SQL
- Built a Streamlit dashboard for interactive visualization of scraped product data
- **Tools Used:** Python, Selenium, ChromeDriver, Regex, SQL, Streamlit

E-Commerce Desktop Application

[github.com/E-commerce](https://github.com/NaDa0Amr/E-commerce)

- Developed a desktop-based e-commerce system using Java and OOP principles
- Implemented an intuitive drag-and-drop GUI using Swing for enhanced user interaction
- **Tools Used:** Java (OOP), Swing

Machine Learning Projects

- Applied ML models to Kaggle datasets with preprocessing, model training, and evaluation
- Tuned parameters to improve model performance and derive actionable insights
- **Tools Used:** Python, Scikit-learn, Pandas, NumPy, Matplotlib/Seaborn

Exam Timetable Scheduling

- Designed a conflict-free exam schedule using a greedy algorithm and graph modeling
- Used NetworkX to optimize time slot assignments for university courses
- **Tools Used:** Python, NetworkX, Greedy Algorithms

Technologies

Languages: C++, Java, Python, SQL

Technologies: Django, Microsoft SQL Server, AWS, Streamlit

Achievement

- Participate in ECPC 2024
- Participate in HackerRank OOP Boot-camp

Language

- Arabic
- English