Mohamed Mahmoud El-Naggar

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EXPERIENCE

Siemens Digital Industries Software - *Software Engineer Trainee*

September 2023 - February 2024

- Took part in the Software Engineering Diploma program by Siemens Software Academy as a trainee.
- Topics: OOP, OOD, SOLID principles, Design patterns, Debugging, Clean coding, Data structures & and algorithms,
Problem-Solving, Linux, Version control, Building systems, Database design, QT, Microservice architecture, Parallel programming,

EDUCATION

Bachelor's Degree, Faculty of Computers and Artificial Intelligence, Cairo University.

September 2020 – July 2024

- Major: Computer Science
- GPA: 3.06
- Courses: OOP, Discrete Mathematics, Data Structures, Algorithms, Database, Web Technology, Software Engineering, Compilers, Machine Learning, NLP, Operating Systems, Logic Design, Problem Solving, Web-based Information Systems Development.

Extracurricular Activities

- Solved **2000+** problems on Algorithms & Data Structures.
- Coding instructor for kids aged 6-18 at ISchool.
- problem solving instructor and mentor at ICPC FCAI CU Community.

PROJECTS

Anomalies Tracker

- Tool for QA Team at Siemens Software Academy.
- Desktop Tool to detect the status of running jobs of different builds with different running configuration and different design configuration.
- Used Python for Backend and PYQT for Frontend.
- Used Jenkins for running jobs.

Human Resources Website

- Website for employees to connect them with human resources for any request.
- Using Html, CSS, Java Script for Frontend, Django Framework and Python for Backend.

Connect-4 AI Agent

- AI agent using a Python Script.
- Using AI Algorithms.

Library System

- Desktop application for managing a library system.
- Using C# for the GUI and the logic.
- Using SQL for Rational Database

KEY SKILLS

Technologies & Languages: C++, Java, Python, PYQT, QT, NodeJS, Laravel, JavaScript, HTML, CSS, PHP.

Tools: MakeFiles, cMake, Debugging, Linux, Jenkins, Github.

Concepts: Object-Oriented Programming, Data Structures, Algorithms, Design Patterns, SOLID principles, MySQL, Agile Methodologies, Version Control Systems, Parallel Programming, Clean Code, Genetics Programming, Socket Programming, Rest Api.