

Anas Alaa Alnaggar Software Engineer/Backend-dev

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Education

Faculty of Computer and Information Science, Ain Shams University	Sep 2019 – Jul 2023
• B.Sc. in Computer Science and Information Systems.	Cairo, Egypt
Military Service (Completed)(Jan 2024- March 2025)	

Projects

Plant-Disease-Prediction (Graduation Project) with (Excellent Degree) Github & Documentation	
<ul style="list-style-type: none">Developed a web-based application that uses Convolutional Neural Networks (CNNs) to detect plant diseases from leaf images with high accuracy.Trained the model on a diverse dataset of plant images, covering multiple crops and a wide range of disease types.Integrated real-time prediction capabilities enable users to upload images and receive instant diagnostic feedback.Designed a user-friendly interface that displays disease details, symptoms, and suggested treatments for effective plant care.Achieved an "Excellent" project evaluation, demonstrating strong implementation of machine learning and full-stack development skills.	
Graph drawing Github & Documentation	Java, OOP, Graph Algorithms
<ul style="list-style-type: none">Drawing different types of graphs with pathfinding and node analysis features.	
Employee Information System – Full CRUD REST API with Spring Boot Github & Documentation	
<ul style="list-style-type: none">Developed a RESTful API using Spring Boot to perform full CRUD operations on Employee records with Spring Data JPA and MySQL.Structured the application using clean architecture principles, separating concerns across Controller, Service, and Repository layers.	
Connect 4 (Structured Programming Project) Github & Documentation	
<ul style="list-style-type: none">Collaborated with teammates to develop a coin-movement game featuring three difficulty levels (easy, medium, hard) using C++ basics, data structures, and the SFML graphics library in Visual Studio.	

Awards

• Participated in ACM ECPC qualifications, 41st place - Certificate	(2020).
• Participated in Covid19 virtual Hackathon	(2020).
• Participated in ACM ECPC qualifications, 151st place out of 1000 teams- Certificate	(2021).
• Getting a Golden badge for solving most of the SQL Problems on Hackerrank- badge	(2022).
• Getting a Golden badge for solving most of the C++ Problems on Hackerrank- badge	(2022).
• Solving most of the Database problems on the HackerRank website- badge .	(2022).
• Solving most of the OOP problems on the Hackerrank website	(2022).

Skills

Languages: Arabic (Native), English (Fluent).
Programming Languages: JavaScript, Java, SQL, HTML, CSS, C++, Python, C# (Familiar).
Technologies & Tools: REST APIs, GitHub, MS SQL Server, MySQL Workbench, Spring Boot.
Concepts: Data Structures, OOP, OOD, Database Design, Object-Oriented Analysis (OOA), SOLID Principles, Databases.
Soft Skills: Troubleshooting, Collaboration, Ownership, Open-mindedness, Mentoring, Teamwork, Flexibility.

Extracurricular Activities

• Trainee at PST Coach Academy for Problem-solving.	2019-2020
• Trainee at the Problem Solving Committee 180 Degree student activity.	2019-2020
• Trainee at ACMASCIS student activity for problem-solving.	2021-2022