

Mohamed Ahmed Abdelghany

Software Engineer

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Objective

As a passionate software engineer with expertise in PHP and frameworks like Laravel, I specialize in developing scalable and secure web applications. I am committed to delivering high-quality solutions through effective collaboration and problem-solving. My experience in database optimization and full-stack development enables me to contribute to impactful projects and drive continuous improvement in software performance.

Education

Bachelor of Computer Science

Faculty of Computers and Artificial Intelligence-Cairo University

2020-2024

Grade: Good

Professional Experience

Student Affairs Management System (Freelance Project)

Technologies: PHP, MySQL, HTML, CSS, JavaScript

- Developed a secure student management system featuring session-based authentication and CRUD functionality.
- Enabled efficient management of student records (name, email, GPA, department) with a user-friendly interface.
- Improved security by implementing login-based authentication, restricting access to authorized users only.
- Designed a responsive, clean table layout for better user interaction and data presentation.

Garage Parking System (Academic Project)

Technologies: Java, OOP

- Designed and developed a comprehensive garage management system using Object-Oriented Programming (OOP) principles.
- Created UML diagrams and applied SOLID design principles to ensure maintainability and scalability.
- Achieved 100% test case coverage through thorough testing, ensuring robust system functionality.

- Built a user-friendly interface to facilitate easy navigation and management of garage data.

Supermarket Database Management System (Academic Project)

Technologies: MySQL, C#

- Developed a supermarket management system that automated product management, reducing manual effort by 40%.
 - Implemented CRUD operations and designed ERD models to maintain data consistency and streamline database interactions.
 - Enhanced data management and reporting, contributing to improved decision-making processes.
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SKILLS

Programming Languages: C++, PHP, Python, JavaScript, Data Structure, Algorithms

Frameworks & Tools: HTML, CSS, Laravel, Git, GitHub, UML, OOP, SOLID Principles, Linux

Databases: MySQL, Database Management Systems, Networks

Soft Skills: Problem-Solving, Team Collaboration, Presentation, Working Under Pressure.

Certifications & Courses

- Software Development Process – Udacity.
 - Database Fundamentals – Mahara Tech – ITI.
 - Introduction to network security – Mahara Tech – ITI.
 - Computer Network Fundamentals – Mahara Tech – ITI.
 - Certified the C++ Learning Guide. – Udemy.
 - Programming Foundations: Fundamentals – LinkedIn.
 - HTML And CSS Essential Training – LinkedIn.
 - Career Essentials in Cybersecurity by Microsoft and LinkedIn Career Essentials in Cybersecurity.
 - Programming Foundations: Databases – LinkedIn.
 - Complete Introduction to Cybersecurity 2022 – Udemy.
 - Orange certified Backend diploma - Orange Digital Center Egypt.
 - Fundamentals of Network Security – Udemy.
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