

# 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.

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## Education

### Bachelor of Computer Science

Faculty of Computers and Artificial Intelligence-Cairo University

2020-2024

**Grade:** Good

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## Work 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.
  - 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:** PHP, Python, JavaScript, OOP, Data Structure, Algorithms

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

**Databases:** MySQL, Database Management Systems

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

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## **Certifications & Courses**

- Orange Certified Backend Diploma (PHP) - Orange Digital Center Egypt
  - Building Web Applications using PHP & MYSQL– Mahara Tech – ITI
  - Software Development Process – Udacity
  - Database Fundamentals – Mahara Tech – ITI
  - Introduction to Network Security – Mahara Tech – ITI
  - Computer Network Fundamentals – Mahara Tech – ITI
  - Complete Introduction to Cybersecurity – Udemy
  - Career Essentials in Cybersecurity by Microsoft and LinkedIn
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