Mohamed Ahmed Abdelghany

Software Engineer

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Objective

I am a motivated software engineer with expertise in PHP and frameworks like Laravel. I am skilled in designing and implementing scalable, secure web applications. I am proficient in end-to-end software development and database optimization. I am eager to contribute innovative solutions to impactful projects while collaborating with dynamic teams.

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

The project was developed using PHP (backend), MySQL (database), HTML/CSS/JavaScript (frontend), and includes session-based authentication to enhance security. It demonstrates practical skills in CRUD operations, user authentication, and responsive design.

- Add, update, and delete student records with key details such as name, email, GPA, and department.
- Ensure data security with a login-based authentication system, restricting access to authorized users only.
- Display data in a user-friendly, responsive table with a clean, intuitive interface for ease of use.

Garage Parking System

Academic Project

- Comprehensive garage management software develops using Java and OOP principles.
- Designed UML diagrams and implemented SOLID design principles for maintainability.
- Conducted thorough testing, achieving 100% test case coverage.

- Developed a user-friendly interface for ease of use and intuitive navigation.

Supermarket Database Management System
Academic Project

- Created and implemented a supermarket management system using MySQL and C#.
- Automated product management tasks, reducing manual effort by 40%.
- Designed ERD models and implemented CRUD operations, ensuring data consistency.

SKILLS

Programming Languages: C++, PHP, Java, Python, JavaScript, HTML, CSS
Frameworks & Tools: 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 And 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.
- Programming Foundations: Databases – LinkedIn.
- Complete Introduction to Cybersecurity 2022 – Udemy.
- Orange certified Backend diploma - Orange Digital Center Egypt.
- Fundamentals of Network Security – Udemy.