



MOHAMED BAKR

23rd January 1997 | Egyptian | Single | Exempt from Military Service
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Work Experience

Android Development Training & Presentation Soft Skills Training July 2018 - August 2018
Information Technology Institute (ITI), Giza, Egypt

- Gained proficiency in Java programming (fundamentals, OOP, exception handling, multi-threading), XML, SQLite, and Android Studio for mobile app development.
- Improved presentation skills for effective communication.

Teaching Assistant 2019 - Now
Canadian International College, College of Business Information Technology, Giza, Egypt

- Taught technical labs in programming, software engineering, and data mining, fostering practical skills among students.
- Provided academic advising by assisting with schedule revisions, managing add/drop petitions, and supporting student academic progress.
- Performed data entry tasks, including course schedules, bylaw updates, and student coursework records in institutional systems.
- Authored comprehensive quality assurance documentation for courses to meet accreditation standards.
- Evaluated transfer students' course equivalencies, ensuring academic alignment with program requirements.
- Assisted in the migration to a new system, ensuring a smooth transition and data accuracy.
- Conducted certificate revisions for students' graduation credentials submitted to the Ministry of Higher Education.

Freelance Instructor & Consultant 2023 - Now
Online, Egypt

- Taught computer science-related courses, such as Programming Fundamentals, Object-Oriented Programming, and Data Structures using C++, to students from various Egyptian universities.
- Assisted students in developing software project ideas and features, and in engineering their requirements.
- Assisted in a master degree student's thesis in developing a Business Process Management model for IBM's Customer Services Queues.

Skills

General	Microsoft Office, Google Meet, Zoom, Google Apps (Sheets, Docs, Forms, Classroom, Scripts), Linux, Screenplay Writing, Storytelling
Development	HTML, CSS, JavaScript, Bootstrap, Animate.CSS, JQuery, AJAX, XML, JSON, PHP, MySQL, MongoDB, Electron, Photoshop
Data Analytics	Python, Gemini API
Software Engineering	Requirements Engineering, UML Designing using Microsoft Visio
Programming	C++, Java, C#, Visual Basic
Business Process Management (BPM)	Camunda, Postman
Automation	PowerShell 5, Bash Scripting
Soft Skills	Analytical Thinking, Problem-Solving, Presentation, Self-Studying
Language Skills	Arabic (Mother Tongue), English

Education

High School: New Manor House School, Giza, Egypt - 2015
Bachelor in Business Information Systems from Canadian International College, Giza, Egypt - 2019
 Grade: Excellent (**CGPA:** 3.89)
 Graduation Project: My School Web Application (**Best Graduation Project**) (**Grade:** A+)
Diploma in Information Systems from Arab Academy for Science, Technology & Maritime Transport, Giza, Egypt - 2021
 Web Development Project: Web-Based Storytelling Game Engine (including E-Commerce)
Masters in Information Systems from Arab Academy for Science, Technology & Maritime Transport, Giza, Egypt - Now
 Publication: Ongoing research on automated essay grading systems using AI techniques implemented in Python.

Certifications

Microsoft Office Specialist - Word from Microsoft

Microsoft Office Specialist - Excel from Microsoft

Web Development Diploma (ASP.NET) from Russian Culture Center

Web Development (Front- End) Training Course from Canadian International College

Web Development (PHP & MySQL Back-End) Training Course from Canadian International College

Illustrator & After Effects Training Course from Canadian International College

Certificates are available upon request.

Projects

Academic Support System (Private Project)

CIC Automation Project

HTML, CSS, JavaScript, Bootstrap, JQuery, AJAX, PHP, MySQL, Powershell

- **Schedule Generation:** Automated timetable creation to optimize class and resource allocation.
- **Student Records Management:** Stores academic records with calculated results, GPA tracking, and performance insights.
- **Advising Support Tools:** Includes revision tracking and analysis features to aid academic advising and decision-making.
- **System Administration Panel:**
 - ◆ Manages database operations.
 - ◆ Executes bulk data processing, file cleansing, and transformation routines.
 - ◆ Uses PHP and PowerShell scripts to populate and maintain the MySQL database for performance optimization.

Masr International Paper's Website

Freelance Project

HTML, CSS, JavaScript, Bootstrap, JQuery, Animate.CSS + Hosting and Email Providers

- **Website:** <https://mipegypt.com/>

My School Web Application

CIC Bachelor Project

HTML, CSS, JavaScript, Bootstrap, JQuery, AJAX, PHP, MySQL

- **School Profiles:** Detailed profiles for parents to explore.
- **Parent Applications:** Easy school applications for children.
- **Application Builder:** Custom applications similar to Google Forms.
- **Application Management:** Schools can accept, reject, or schedule appointments.

Web-Based Storytelling Game Engine (including E-Commerce)

AASTM Diploma Project

HTML, CSS, JavaScript, Bootstrap, Animate.CSS, JQuery, AJAX, XML, PHP, MySQL, Photoshop, Illustrator

- **E-Commerce:** Buy, sell, and manage stories with payments.
- **Story Builder:** Create "next-next" style stories with visuals, music, and animations.
- **Story Player:** Play stories with AI voice acting, dynamic visuals, and smooth transitions.

Web-Based Turn-Based Combat Sub-System

Personal Project

HTML, CSS, JavaScript, Bootstrap, Animate.CSS, JQuery, Photoshop

- **Turn-Based Combat:** Strategic 2-player gameplay.
- **AI Opponent:** Option to play against a challenging AI.
- **Resource Management:** Health and energy systems.
- **Action Criteria:** Actions with specific requirements alongside main turn-ending actions.
- **Strategic Depth:** Skill-based gameplay with potentially long matches.

CyberOne (Windows Form Application)

Freelance Project

C#.NET

- **Network Scanning:** Identifies all PCs in a defined network.
- **Centralized Updates:** Main PC downloads and updates games.
- **Quota Saving:** Copies updates to other PCs on the network.
- **Windows Form UI:** User-friendly interface for managing updates.

The Movie Day Replacer (Windows Form Application)

Freelance Project

C#.NET

- **Code Generation:** Automatically generates HTML/JS code for movies.
- **Data Extraction:** Pulls movie data from three different files.
- **Search Functionality:** Finds movie links by name.
- **Web Integration:** Outputs ready-to-use code for web pages.

Additional projects are available on GitHub.