

**MOHAMED BAKR**

**23rd January 1997 | Egyptian | Single | Exempt from Military Service**

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**Work Experience**

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| **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. | |

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| **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. | |

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| **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**

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| **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**

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| **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. | |

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| **Masr International Paper’s Website** | Freelance Project |
| HTML, CSS, JavaScript, Bootstrap, JQuery, Animate.CSS + Hosting and Email Providers | |
| * **Website:** <https://mipegypt.com/> | |

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| **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. | |

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| **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. | |

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| **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. | |

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| **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. | |

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| **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.*