



Ahmed Hussein

AEC Software Developer

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📍 Giza, Egypt.

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Profile

A driven Software developer in the field of Architecture, Engineering and Construction (AEC) Industry interested in **BIM-GIS** integration applications And **Web Development**.

Graduated from Cairo university in 2021, Started My career path in 2021 as Structural design engineer, I was interested in software development so I joined ITI 9-Month Diploma **AEC** track, I'm dedicated to innovative solutions in the AEC industry.

Education

Oct 2023 – Jun 2024
Smart Village, Egypt



9-Month Professional Diploma[ITI],
Information Technology Institute.

Architecture, Engineering and Construction informatics [AEC],
Information Technology Institute [ITI], Smart Village Branch, Egypt.

- **Link of Courses :** ITI Courses [🔗](#)

Sept 2016 – Jun 2021
Cairo, Egypt



Bachelor of Civil Engineering, Cairo University
Graduation Grade : Excellent With Honors (80 %) .

Graduation Project Title : Steel Structure .

Graduation Project Grade : Excellent.

Courses

Aug 2023 - Mar 2024
Online

Structural BIM Engineer, Kaitech

list of course
Certification

Mar 2024 -June 2024
Online

BIM Application Development, Kaitech

list of course
Certification

Technical Skills

AEC SoftWare Development

- C#
- C++
- OOP
- Java Script
- Type Script
- Revit API
- Autocad API
- Sap 2000API
- ArcGIS Pro
- GIS Development
- IFC
- WPF
- Computer Graphics using (OpenGL & WebGL & Three JS)

Web Development

- Entity Frame Work
- SQL Database
- LINQ
- ASP .NET MVC
- Web API
- SOLID Principle
- HTML
- CSS
- Boot Strap
- JQuery
- Git/ Github

Professional Experience

Dec 2021 – Oct 2023
6th Oct city, Egypt



Estimate Engineer, ZAMIL STEEL Construction Co.

- Designing and analysis Steel Structure and Pre-Engineered buildings (PEB)
- Preparing full Calculation Report..
- Preparing Proposal Drawings.
- Working on International projects.
- Preparing tenders, Cost and Estimation of the Project.

Languages

Arabic

Mother Tongue

English

Very Good

Soft Skills

Leadership

Able To Work Independently.

Team Player

Have The Total Ability to learn and upgrade

Personal Information

- **Military Status** : Exemption
- **Martial Staus** : Single.
- **Data of Birth** : 01 / 10 /1998.

Projects

ITI Courses Projects :

Revit Api Project

CAD TO REVIT : The project automates converting CAD drawings to Revit specifically for structural elements, enhancing design efficiency and accuracy. It streamlines the creation of BIM-ready models by reducing errors and saving time, focusing on seamless integration of structural components into Revit.

Skills : Revit API - WPF (MVVM) - LINQ

AutoCad Api Project

Point Importer Project This Plugin which takes layers Names from Excel File then Choose the discipline and Creating layers in AutoCAD. This tool was developed using AutoCAD API and WPF (MVVM).

Skills : AutoCad API - WPF (MVVM).

