

Abdelrahman Mahmoud Mohamed Hafez

CONTACT

Baron City, Ring rd, Cairo City

E-mail: dahomy999@outlook.sa,
abdelrahman.hafez@student.guc.edu.eg

Website: <https://github.com/abdalahmanHafez>

Phone: +201554342755

EDUCATION

- **Studying Computer Science and Engineering (CSEN), MET Department at The German Univerisity in Cairo (GUC) finishing my 3rd year.**
- **Specialization Courses:** Programming, Data Structures and Algorithms, Engineering Design, Digital Logic Design, Digital System Design, Databases, Operating Systems, Computer Architecture.

LANGUAGES AND TECHNICAL SKILLS

Java, Python, C#, VB.NET, (OOP), VHDL, SQL, JavaScript, Haskell, Prolog, Web Applications using ASP.NET MVC Framework.
Familiar with C, C++, Assembly, OpenCV, git/Hub

INTERESTS

Software Engineering, Web Development, Backend architecture, Computer vision, Information visualization, Image processing, Cypersecurity, Cryptography, Software Reverse Engineering, Software Testing.

PROJECTS

- **HearthStone: Computer Programming Lab (CSEN 401) project.** Programming a game based on the famous HearthStone through programming the gameplay itself and the GUI.
- Six - Position Voting System. (Digital Logic Design Course)
- Full Database Schema Designing and Building using Microsoft SQL Server.
- Database Engine using Java, which supports, CREATE, INSERT, UPDATE, DELETE
- Basic Computer Architechture using Logisim
- Full Stack using Node.js and basic HTML and CSS, hosted on Heroku
- Simple OS using Java
- Simple SQL Parser in Java
- Website Front end mockup using Figma
- Simulating the MIPS von neumann architecture in Java

PERSONAL PROJECTS

- Quota Visualizer, how much of left in the internet Qouta, using python and Matplotlib
- Response time mouse click game
- Simple Passwords Manager using VB.net
- Simple Timer, Calculator
- Study Planner
- Tried to host a website from my old PC
- Worked on Video Editing, Montage and adobe after Effects, Sony Vegas. Many projects.
- Worked in Photoshop.
- Many Python Automation tools

- EverydayBackgroundChanger, fetches from Bing every day a new Background for my Desktop
- Built some small Chrome Extensions.
- Used puppeteer and Node js Headless Browser to make it easier to download my University study content
- python monitor application to alert me about new posted grades, my attendance, financial Balance, or new content in my university website
- Motion Detector software using OpenCV and any camera.
- Whatsapp automation with python
- .NET application to interact with instagram's API
- Webscrapping using Scrappy, and Dexi
- Automate writing Excel Documents with python
- various Autolt windows Automation projects
- Some HackTheBox, TryHackMe CTFs