# Saif eldeen Adel Khalil

Website: saifdev.vercel.app

Github: github.com/ SaifeldeenAdel

LinkedIn: linkedin.com/in/ SaifeldeenAdel

Email: saifeldeenadell@gmail.com

Mobile:   +0020 112 305 4101

## OBJECTIVE

Computer Engineering student seeking software development internships to further expand my knowledge while working on meaningful projects.

## EDUCATION

- **Faculty of Engineering, Alexandria University**                                                 Alexandria, Egypt

  *Bachelor of Science - Computer and Communication Engineering; GPA: 3.84*    *October 2021 - May 2026*

  **Courses:** *Data Structures, Programming 0 & 1 (C, Python), Discrete Mathematics, Linear Algebra, Technical Writing*

## SKILLS SUMMARY

- **Languages**:                    Python, C++, C, JavaScript
- **Frameworks/Libraries**:    ReactJS, Next.js, NodeJS, Django, OpneCV, Numpy, Tensorflow
- **Tools**:                          GIT, Github, SQL, Postman
- **Soft Skills**:                    Touch typing, Problem Solving, Leadership, Time Management

## EXPERIENCE

- **Torpedo ROV**                                                                                              On-site

  *Trainee*                                                                                    *September 2022 - May 2023*

  - **Computer vision & GUI Team Member**: Worked on the image processing and machine learning tasks that were done by an ROV as part of the MATE ROV Competition. Extensive use of computer vision and ML libraries (OpenCV, Tensorflow)
  - **Motion Team Member**: Implemented the PID control system for a Remotely Operated underwater Vehicle (ROV) as part of a final project while using OOP best practices.

## PROJECTS

- **MINDCANVAS - Blog site (Frontend Development)**: Blog site where I post articles about topics I find interesting. Made with Next.js and styled using tailwindcss.
- **Personal Website (Frontend Development)**: Static, fully responsive personal website made using ReactJS (Vite) to display projects, skills, etc.
- **Financee - Stock Trade and Risk Management (Fullstack Development)**: Responsive web application made using Django, SQLite, and ReactJS for stock trders with multiple tools such as a Risk Caculator and Tradebill creator which aid in efficient trade and risk management. Also incorporates a stock API for stock data.
- **Foodie - Recipe Organiser (Fullstack Development)**: Web Application made using Flask and SQLAlchemy for searching and saving recipes from multiple recipe websites and food magazine websites using a recipe API and a relational database.
- **Dead/Live Fish Deep Learning Model (Machine Learning)**: Trained an object detection model for detecting dead and live fish in given footage. Obtained training/testing dataset with thousands of images annotated for classification and trained my model with each class obtaining an accuracy of above 95%.

## COURSES & CERTIFICATIONS

- CS50x Introduction to Programming, HarvardX - January, 2021 [Certificate]
- CS50w Web Programming with Python and Javascript, HarvardX - June, 2021  [Certificate]
- Introduction to Git and Github, Google - May 2023 [Certificate]
- CS50ai Artificial Intelligence, HarvardX - Present

## HONORS AND AWARDS

- Ranked 3rd Highest Average Across 7 IGCSE subjects in the Eastern Province, Cambridge - May, 2019