

# SAIF ELDEEN ADEL

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## OBJECTIVE

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

## EDUCATION

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- **Faculty of Engineering, Alexandria University** Alexandria, Egypt  
• *Bachelor of Science - Computer and Communication Engineering; GPA: 3.89    October 2021 - May 2026*  
• *Courses: Programming 0 & 1 (C, Python), Discrete Mathematics, Linear Algebra, Technical Writing*

## SKILLS SUMMARY

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- **Languages:** Python, C++, C, Javascript
- **Frameworks/Libraries:** Django, ReactJS, NodeJS, Opencv, Numpy, Keras
- **Tools:** GIT, Github, SQL, Postman
- **Soft Skills:** Touch typing, Problem Solving, Leadership, Time Management

## EXPERIENCE

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- **Torpedo ROV** On-site  
• *Trainee* *September 2022 - Present*
  - **Motion Team:** Helped in implementing the motion control system for a Remotely Operated underwater Vehicle (ROV) as part of a final project while using OOP best practices.
  - **Computer vision & GUI team:** Working on the image processing and machine learning tasks that will be done by an ROV as part of the MATE ROV Competition and other competitions. Using frameworks and libraries such as OpenCV and PyTorch

## PROJECTS

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- **Personal Website (in progress):** Static, fully responsive personal website made using ReactJS to display projects, skills, etc.
- **Finance - Stock Trade and Risk Management (Fullstack Development):** Responsive web application made using Django, SQLite, and ReactJS for stock traders with multiple tools such as a Risk Calculator 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

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- CS50x Introduction to Programming, HarvardX - January, 2021
- CS50w Web Programming with Python and Javascript, HarvardX - June, 2021
- CS50ai Artificial Intelligence, HarvardX - Present

## HONORS AND AWARDS

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