# Abdulrhman Ahmed **Abu AlHagag**

## Research and Development

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Cairo , El Salam First 🏠

## SUMMARY

fast learner computer science student with 4 year in the collage, expected graduation year 2025 worked in a lot of software development, computer vision, image processing and Deep learning

## EXPERIENCES

### Computer Vision Intern

Cellula Technologies | Aug 2024 – Oct 2024

- **Teeth Disease Classification**: Developed and deployed a model that accurately classifies various dental diseases, aiding healthcare professionals in diagnosis and treatment planning.
- **Flood Rapid Mapping with Optical Data**: Utilized image segmentation techniques for mapping flood-affected areas in real time, enhancing disaster response capabilities.
- **Shoplifting Detection:** Designed a computer vision system for real-time shoplifting detection, improving security measures in retail environments.

## EDUCATION

### Ain Shams University

Bachelor's Degree in computer sciences
2021 – 2025

## SKILLS

- Technical skill
  - programming language : C/C++, C#, python
  - machine learning, deep learning
  - computer vision, image processing , data analysis
  - flutter
  - oop, data structure, data base
  - power point, word, excel
- languages
  - English
  - Arabic
- Soft skills
  - leadership
  - time management
  - fast learning
  - search skills

## PROJECTS

I worked in lot of projects by myself through out my years in collage and studied a lot of courses, entered student activities and workshops here are some that stand out.

### STP shoplifting Competition

STP Competition | 2024

- certificate for participating in STP shoplifting competition and getting top Five teams in the competition.
- we designed a shoplifting detecting program using AI and Deep Learning
- we tried different: pre-trained an not pre-trained

### Underwater robotics challenges

ROV competition | 2021

- participated in underwater competition image processing developer were I had make the ROV(remotely operated vehicle) to make different tasks using camera underwater, I was in first year of collage and added a lot to the team by making most of the tasks
- made an algorithm that find a line and track it

### ICMTC

SATC | 2022 - 2023

- got the second place in the 6th International Competition of Military Technical Collage and the best space mission award in the 7th
- It's a competition about make a cube satellite protype and it's capability to survive space and do it's task
- I was responsible for space mission analysis part which was out of specialty and need a lot of research but I a pretty good work in limited time

### Instructor in World Space Week

Beyond Earth Event | 2023

- an event constructed by AinShams students from the faculty of information and computer science that aims to educate students from different universities about technical skills like Ai and embedded systems and space mission Analysis then use this skills in a hackathon.
- I was instructor and organizer for the event in addition to preparing the contant andpower points, supporting teams in the hackathon and evaluate projects