

CURRICULUM VITAE



PERSONAL DATA

Name	Abdelrahman Ayman Abd El Atty
Date of Birth	December 26 th , 2000
Nationality	Egyptian
Address	92G Hadaqu El Koba Square, Cairo, Egypt.
E-Mails	abdelrmanayman48@gmail.com
Telephone	Home: +202 466 -2187
Mobile Phone	+20101 078-9082

EDUCATION

- **2015-2018 : EL salam school** Hadaqu El Koba Square
- **2018-Present : Bachelor of Mechanical Engineering – Mechatronics Dep. (Under graduated Mechatronics Student)** , Faculty of Engineering, Ain-Shams University, Class **2023**
- **Grade : GPA 3.33**

LANGUAGES

- **Arabic**, Mother tongue
- **English**, Very Good

TRAINING experience

- August 2020 – September 2020: Cairo Metro Line 3.
- September 2021 – September 2021: Hassan Allam Campany.
- September 2021 – December 2021 : Classic Control Training at HA Consulting
- 10 December 2021– 31 December 2021 : PLC Basic Programming at HA Consulting
- 31 December 2021 – November 2021 : Electric Motor& Drive Programming at HA Consulting
- September 2022 – 2 Weeks course in iti introduction in Robotics
- September 2022 – 2 Weeks course in iti introduction in Embedded
- September 2022 – 2 Weeks course in iti introduction in Computer Vision
- 31 December 2022 - --- : Mastering Embedded System (online) (still in it)

RELATED Experiences

- **ROV Competition 2013 - 2014**

Team Member ROV is a Remoted Operation Vicheles, My team achieves the 3rd place over the country. That is a Great Experience as involving in make a Submarine Robot that makes Tasks underwater. This help in expanding my knowledge and thoughts about how to make robots

- **Ihub Internship August- September 2019**

Trainee Ihub is from the greatest Organization that helps in spreading the innovation and entrepreneurship mindset in the Youth University community. I take an internship as a Training assistant and coordinator. Helping me in understanding the backend of operating the workshops and Services that Ihub service

- **THAWB Start Up June 2019**

Co-founder THAWB is a startup that service custom T. Shirt. One of the greatest experience in economics for me. Learn many things (Bissness model, Finance, commercial Channels.....). Apply on reality and sell products to customers. Really enjoyed that project

- **Milling to CNC Machine Graduation project**

Converting a manual milling machine to a CNC machine can be a great project for a graduation project. This can make your cutting and drilling faster and more accurate, and can extend the lifetime and usefulness of your machine. Converting a manual milling machine to a CNC machine can be a challenging process. Some of the challenges include disassembling the machine to replace the existing lead screws with ball screws for better accuracy, attaching motors to the X, Y, and Z axes to drive the installed ball screws, designing and milling out motor mounts for each motor, adding limit switches so the machine knows its physical limits on each axis, attaching the motors to an ethernet-smoothstepper, and setting up a touchscreen monitor running Mach 3 software to process inputs¹. However, with the right resources and guidance, it can be a rewarding project.

RELATED Projects

- **CNN Classifier for 100 class**
- **Future pendulum controlling system**
- **Journal Bearing alarm system**
- **Autonoums vehicle path planning**
- **Pitch control Mechanism for Wind Turbine – Control Blades Angle**
- **Typewriter Robotic CNC machine**
- **Pumping system & heating system**
- **Maze Car – Line Follower**
- **Small Smart Factory – FACTORY I/O & TIA Software**
- **Smart Home– Flame, Motion, light & IR sensors**
- **Multimeter Circuit – Volt, Current & Resistance**
- **Flow meter & Tank Detector**
- **DC Power Supply Circuit – Convert 220Vac to 5Vdc**
- **Control Panel – Classic Control circuit**
- **Stamping machine – Pneumatic System**
- **Logic Adder Subtraction Circuit**

COMPUTER & PROGRAMMING SKILLS

Software Skills			Hardware
Programming Languages	Operating Systems	Programs	Analog and Digital Electronics
C/ C++ (embedded)	Windows	SolidWorks / Inventor	Arduino
HTML	Linux Ubuntu	Mc Office (Wd, Excel, point...)	Embedded – Mach3- tiva3
CSS		Adobe(Ps,Au,Pr)	
Python(cv2,numpy-CNN library)		AutoCAD	
ROS 1 & 2		Automation Studio - EKTS	
		TIA Portal	
		MAT Lab-Simulink-----	
		Factory IO	

EXTRA CURRICULAR ACTIVITIES

- 2017 : Awards 2nd over country at the Memory Competition.
- July -2018 : Engineering ECDC .
Trainee A Great Experience Session in soft skills (Communications, Leading Time management...)Other projects:
- 2018-2019 : I Club PR Head.
Co-founder Iclub is a student activity that keen on spreading the entrepreneurship knowledge and Innovation thinking.
- September 2019 British Council Active Citizens Program
Trainee a Workshop gives me the Social justice Knowledge, Critical thinking, communication skills. Make a Social project to solve a problem in community. That change my mindset
- 2019 Ihub Innovation Day Ceremony
Organizer Volunteer a Good opportunity to see the back-end of Event to see it as organizer. Really i enjoy to be an organizer for that Event.
- 2019 : Academic coordinator Green Initiative student activity.
- August 2021: Learn how to learn course on coursera
- March – Participated in International Conference on smart Cities