

# HAYL SAEED HAYDER AL-KHADHAMI

Automation Engineer

Yemen Dairy and Food Products Company

Hodeidah University teacher



## ➤ CONTACT DETAILS

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## ➤ QUALIFICATIONS:

- Master of Industrial Automation, Dawood University of Engineering & Technology, Karachi, Pakistan (Expected graduation date June 2023).
- Bachelor of Computer Engineering, Faculty of Computer science and engineering, Hodeida University (2009-2013) (very good grade).
- One-year of English language diploma (writing, reading, spoken, listening) and get very good (83.50%) during 2008-2009.
- High school – scientific (2007-2008) (very good grade).

## ➤ LANGUAGE:

- Arabic (native).
- English (fluent).
- Urdu (basic).
- Chinese (basic=HSK2).

## ➤ EXPERIENCE:

- Teaching experience:  
Conducting tutorial and laboratory sessions and administrating the following list of courses:
  - Image processing.
  - C++, C#, Assembly languages.
  - Analog and digital electronic.
  - A+ hardware.
  - Network+.

- Digital design.
- Computer system engineering.
- Computer architecture.
- Android applications development.
- Embedded systems (PIC-AVR).
- Work experience:
  - ❖ Work experience in Yemen Dairy and Food Products Company, Hodeida, Yemen as:
    - Automation engineering since the beginning of 2014, and so far.
    - Electricity control technician for more than one year (2013).
    - Boilers & air compressors operator for more than four years (2009-2012).
  - ❖ Academic work experience as an IT teacher in the Education and Applied Science College of Raimah, Hodeida University.
  - ❖ Research experience gained by studied research methodologies course in 1<sup>st</sup> semester and submitted a lot of research and literature reviews assignments during master and currently, also I have the following papers:
    1. published paper titled “Efficient Detection and Recognition of Traffic Lights for Autonomous Vehicles Using CNN” as a co-author.
    2. Under review “A survey of advancements in Graph Neural Network integration in recommender systems” as a co-author.

#### ➤ RESEARCH INTERESTS:

- Artificial Intelligence.
- Vision-based deep learning techniques.
- Vision-based measurement and soft sensors.
- Embedded Systems hardware and software.
- Electrical and electronic elements.
- Smart phone application development and security.
- ELV (extra-low voltage) systems fundamentals.
- PWM (pulse width modulation) and some of its modern applications.
- BMS (building management systems).
- Electronic circuit and PCB.
- Solar energy and its components.

#### ➤ PERSONAL SKILLS:

- Working with Python and JupyterLab, Kaggle or Colab to perform some relevant works like training some deep learning models.
- Using some research tools like EndNote, SPSS and Latex project.
- Working with image dataset like acquisition, preprocessing and labeling.

- Programmable logic controller (plc) programming (S5-100, S7-200, S7-300, S7-1200) with touch panels HMI.
- Design of simple embedded systems using AVR microcontroller and Bascom-AVR IDE (Integrated Development Environment).
- Design PCB with Proteus and Eagle software and solder it.
- Electrical wiring and design the power and control circuit.
- Read and write electrical schematics professionally.
- Install solar cell and inverter power systems.
- High skill in diction gained from teaching.
- One of teamwork for automate some industrial machinery.
- One of teamwork for new plant electrical wiring.
- Operation and maintenance of boilers and air compressors.
- Android applications development (basic level).
- Embedded systems implementation and development.
- Ability to perform total quality mgt, supply chain mgt, project mgt gained from master's courses.

➤ ADDITIONAL INFORMATION:

- My mother tongue is Arabic.
- I got the 3rd rank during undergraduate study with GPA: 81.23%.
- I have a patience ability, durability and work for long periods.
- Curiosity and love teamwork.
- Very respectful and always have ready to perform any new task.
- Work during any time of the day.
- My bachelor and diploma study were during working in Yemen Dairy and Food Products Company aforementioned.