

# My Resume

## PROFESSIONAL SUMMARY:

Results-driven Industrial Engineer with 9+ years of experience in automation, electrical engineering, and teaching. Skilled in PLC/HMI programming, control panel design, electrical wiring, instrumentation, problem-solving, and project management. Led teams in machine commissioning and plant electrical wiring projects. Seeking to leverage academic and hands-on experience to take on new challenges and grow technical expertise. Strengths in communication, teamwork, and delivering solutions under pressure. Eager to join a dynamic company and contribute expertise in automation and controls.

## PERSONAL INFO:

- Name: Hayl Saeed Hayder Al-Khadhami.
- Age: 33 years old.
- Gender: Male.
- Marital Status: Married.
- Nationality: Yemen.

## CONTACT DETAILS:

- Cellphone: +923161121152.
- Email: [hayl.khadhami@gmail.com](mailto:hayl.khadhami@gmail.com).
- Social Media: @halkhadhami.
- Website Profile: [halkhadhami.github.io](https://halkhadhami.github.io).
- Address in Yemen: Hayel Street, Maeen District, Sana'a, Yemen.
- Current Address: Block 9, Golistani-e-Johar, Karachi, Pakistan.

## QUALIFICATIONS:

- Master Degree in Industrial Engineering and Management (Automation Discipline), Dawood University of Engineering and Technology, Karachi, Pakistan (3.69 CGPA 0-4).
- Bachelor Degree in Computer Engineering, Faculty of Computer science and engineering, Hodeida University (2009-2013) (81.23% 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:**

### **1. Hodeidah University**

I worked as an IT Teacher Assistant, Aug 2014 - 2021 (7 years 1 month), Part time, On-site, Hodeidah Republic of Yemen.

- I have experience teaching and administering a wide range of courses for an IT department, including image processing, various programming languages such as C++, C#, and Assembly, analog and digital electronic, A+ hardware, Network+, digital design, computer system engineering, computer architecture, Android application development, and embedded systems with PIC-AVR. My teaching style likely involves hands-on lab sessions in addition to theoretical instruction.
- Skills: Robotics · Problem Solving · Communication · Embedded Systems · Printed Circuit Board (PCB) Design · Information Technology.

### **2. UMC Pharma**

I worked as an Industrial Engineer, January 2019 - May 2019 (5 months), Full time, On-site, Sana'a Republic of Yemen.

- I worked as a general engineer for all automation, Mechanician, and electrician.
- Skills: Electrical Equipment · Siemens Tia Portal · Plant Installation · Robotics · Project Engineering · Project Commissioning · Electrical and Instrumentation Engineering (EIE) · Problem Solving · Communication · Electrical Maintenance · Industrial Engineering · Electrical Engineering · HMI Programming · Electrical Wiring · Mechanical Engineering · Industrial Automation · Control Panel Design · Electrical Panel Design · Wiring Diagrams · Eplan · HMI Design · Electrical Controls Design · Panel Wiring · Electrical Controls · VFD · Control Systems Design · Motors.

### **3. Yemen Dairy and Food Products Ind. (SYC) – Yemany**

Automation Engineer, Jan 2014 - Nov 2018 (4 years 11 months), Full time, On-site, Hodeidah, Republic of Yemen.

- During this period, I worked in writing, designing, drawing, installing and maintaining many automated control panels for various machines such as PLC, HMI and SCADA systems and other jobs such as implementing power projects, electrical control with write and read its schemes and some mechanical works.
- Skills: Electrical Equipment · Siemens Tia Portal · Plant Installation · Robotics · Project Engineering · Project Commissioning · Electrical and Instrumentation Engineering (EIE) · Problem Solving · Communication · Electrical Maintenance · Industrial Engineering · Electrical Engineering · Programmable Logic Controller (PLC) · PLC Programming · HMI Programming · Electrical Wiring · Mechanical Engineering · Industrial Automation · Control Panel Design · Electrical Panel Design · Wiring Diagrams · Eplan · HMI Design · Electrical Controls Design · Panel Wiring · Industrial Internet of Things (IIoT) · Networking · Electrical Controls · VFD · Control Systems Design · Motors · Air Compressors.

4. Yemen Dairy and Food Products Ind. (SYC) – Yemany  
Electrical Engineering Technician, January 2012 - December 2013 (2 years), Full time, On-site, Hodeidah, Republic of Yemen.
- During this period, I worked in the design, installation and maintenance of many electrical control panels and other jobs, such as implementing projects for wiring and connecting cables for power stations, electrical control and some mechanical works.
  - Skills: Electrical Equipment · Siemens Tia Portal · Plant Installation · Robotics · Project Engineering · Project Commissioning · Electrical and Instrumentation Engineering (EIE) · Problem Solving · Communication · Electrical Maintenance · Industrial Engineering · Electrical Engineering · PLC Programming · HMI Programming · Electrical Wiring · Mechanical Engineering · Industrial Automation · Control Panel Design · Electrical Panel Design · Wiring Diagrams · Eplan · HMI Design · Electrical Controls Design · Panel Wiring · Networking · Electrical Controls · VFD · Control Systems Design · Motors · Air Compressors
5. Yemen Dairy and Food Products Ind. (SYC) – Yemany  
Operator, December 2009 - December 2011 (2 years 1 month), Full time, On-site, Hodeidah, Republic of Yemen.
- During this period, I worked as an operator of steam boilers and air compressors, including monitoring, controlling and maintaining these machines.
  - Skills: Electrical Equipment · Problem Solving · Communication · Air Compressors · Steam Boilers.

## **RESEARCH EXPERIENCES AND INTERESTS:**

I have Research experience gained by studied research methodologies course in 1st 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.

I have Research interests in the following areas:

1. Artificial Intelligence.
2. Vision-based deep learning techniques.
3. Vision-based measurement and soft sensors.
4. Embedded Systems hardware and software.
5. Electrical and electronic elements.
6. Smart phone application development and security.
7. ELV (extra-low voltage) systems fundamentals.
8. PWM (pulse width modulation) and some of its modern applications.
9. BMS (building management systems).
10. Electronic circuit and Printed Circuit Board (PCB).
11. Solar energy and its components.

## **PERSONAL SKILLS:**

- Have knowledge in Research Methodologies, Projects Management, Total Quality Management, Supply Chain Management, Modeling and Simulation, Industrial Instrumentation and Measurement, Pattern Recognition, Computer Vision, Six Sigma Management, and Lean and Agile Manufacturing Management which is enough to enable me to occupy any positions, job, or tasks within these fields.
- Worked with Python and JupyterLab, Kaggle or Colab to perform some relevant works like training some deep learning models.
- Used some research tools like EndNote, SPSS and Latex project.
- Worked with image dataset like acquisition, preprocessing and labeling.
- Programmable logic controller (plc) programming (S5-100, S7-200, S7-300, and S7-1200) with touch panels Human Machine Interface (HMI).
- Design the 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 cells and inverters (PV systems).
- High skill in diction gained from teaching.
- Managed a team of 10 people to automate some industrial machinery.
- Worked as teamwork senior for new plant electrical wiring.
- Worked as teamwork senior for new machine commissioning.
- Operation and maintenance of boilers and air compressors.
- Android applications development (basic level).
- Embedded systems implementation and development.
- Basic AutoCAD 2D and 3D drawing.
- Worked with product dating machine (DOMINO Printer) setting and maintenance.
- Have leadership skills, such as "team management," "project leadership," "strategic planning," "decision-making," and "problem-solving".

## **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.