

Mahmoud Albukhari

Control & Instrumentation Engineer

Final-year Control & Instrumentation Engineering student at KFUPM with hands-on experience in automation, mechatronics, and industrial systems. Completed a summer internship at Kent PLC focused on EPC documentation and instrumentation. Passionate about optimizing operations and contributing to innovation and sustainable industry.

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EDUCATION

Bachelor of Science in Control and Instrumentation Engineering King Fahd University of Petroleum and Minerals (KFUPM)

09/2020 - 12/2025

Major GPA: 3.08/4.00

- Instrumentation for Process Control
- Industrial Process Control
- Computer Control Systems
- Automation Devices & Electronics
- Digital Systems Design
- Mechatronics

WORK EXPERIENCE

Instrumentation Engineering Intern KENT PLC – Internship

06/2025 - 08/2025

Khobar, Saudi Arabia

Global engineering consultancy specializing in energy, industrial, and infrastructure projects.

- Assisted in preparing instrument indexes, I/O lists, and P&ID reviews using SPI (SmartPlant Instrumentation).
- Supported the development of loop diagrams and interconnection diagrams for oil & gas process control systems.
- Gained real-world exposure to EPC project workflows, instrumentation standards, and documentation practices.

Ambulance Assistant (Hajj Seasons) MASHARIQ (Hajj Services)

Mecca, Saudi Arabia 06/2023 & 06/2024

- Supported emergency response teams during Hajj under high-pressure conditions.
- Gained experience in rapid decision-making, coordination, and communication.

Sales and Financial Assistant Al-Amal Clothes Store - Part Time

07/2013 - 09/2019

Taif, Saudi Arabia

- Managed daily sales, customer service, and inventory.
- Oversaw revenue tracking and financial reporting.
- Developed strong interpersonal and problem-solving skills.

SOFT SKILLS

Problem-solving

Leadership

Analytical Thinking

Strong communication and adaptability

Time management

PERSONAL PROJECTS

Automated V60 Coffee Maker (Mechatronics Project)

- Designed and built a functional automated coffee brewing device integrating control, mechanical, and electronics principles.
- Applied control systems, electronics, and mechanical design principles to create a reliable and consistent coffee brewing device.

PID-based Level Control System (Simulation Project)

- Simulated a water level control system using Factory I/O, Node-RED, and Modbus.
- Applied PID control for precise level regulation.

CERTIFICATES

Aramco Gifted Program (Mawhiba) (07/2018 - 08/2018)

Summer Program in Petroleum and Geological Engineering

Umm Al-Qura University Gifted Program (Mawhiba) (07/2017 - 08/2017)

Summer Program in Engineering Design Process

EXTRACURRICULAR ACTIVITIES

Chair - Media & Marketing Committee, CIE Club @ KFUPM (08/2024 - 06/2025)

Led campaigns that increased event visibility by 250%. Managed content strategy and digital outreach for engineering events.

Public Relation - Gaming+ Event @KFUPM (09/2024 - 11/2024)

Attracted sponsorships to support club activities and events.

LANGUAGES

English

Full Professional Proficiency

Arabic

Native or Bilingual Proficiency

INTERESTS

Manufacturing

Smart Mobility

Robotics