ABDULRAHMAN BAJABIR

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EDUCATION

UMM AL-QURA UNIVERSITY   Makkah
BS COMPUTER ENGINEERING *GPA: 3.07*   - 2024

EXPERIENCE

TOP TEN TRADE   Makkah
ADMINSTRATIVE ASSISTANT   2019 - 2024

- Provided comprehensive administrative and operational support across multiple departments, ensuring smooth daily workflow and effective internal communication. Managed scheduling, correspondence, and document control, maintaining accuracy and confidentiality of company records. Supported HR and logistics operations, including employee onboarding, attendance tracking, and preparation of internal reports. Collaborated with finance and procurement teams to process invoices, purchase orders, and assist in budget monitoring. Implemented digital filing and organization systems, reducing administrative processing time by 30%. Assisted management in preparing presentations, reports, and meeting materials, contributing to improved coordination and decision-making.

Modren Bus   MAKKAH
ITS ENGINEER   2023 - 2023

- Trained in both IT and Intelligent Transport Systems (ITS) departments, focusing on hardware setup, networking, and smart transport technologies. Configured and maintained PCs, laptops, and printers; installed drivers, Windows OS, and endpoint security tools (FortiClient EMS). Set up mobile phones for bus drivers with HR and communication apps (MENA ME Plus, Outlook, VOIP, Fleetio GO). Assisted in configuring and maintaining network routers, switches, and Power over Ethernet (PoE) systems. Worked on Vehicle Logic Units (Linux-based bus computers) integrating GPS, 4G, audio, and internal displays. Learned to operate and maintain ticket vending machines (TVM) and ticket validators for public transport systems. Supported bus simulator maintenance, replacing components (power supplies, BIOS batteries, projectors) and testing trainee sessions.

IIOT SOLUTION   Riyadh
PRODUCTION ENGINEER   2024 - Present

- Led the end-to-end design and implementation of the Smart Factory – Drone Line, integrating multiple stations including Smart Locker, 3D Printer Farm, Quality Arm Check, AMR Transport, Assisted Packaging, and Remanufacturing. Engineered and deployed AI/vision dashboards (Bottle Detector, PPE Detector) using Python, Streamlit, and Docker on Raspberry Pi 4 for real-time monitoring. Developed ERP Excel models for Products, Work Centers, Routing, and Inventory, ensuring seamless MES integration and data traceability. Built ISA-95 compliant data models for equipment and quality stations (camera inspection and ARM color check). Configured industrial network infrastructure including VLANs, remote KVM, and NanoKVM systems to strengthen IT/OT connectivity. Directed branding and communication deliverables, including professional signage, roll-up banners, websites, and VR factory tours to showcase the Smart Factory initiative.

SKILLS

Drone Production & Electronics Assembly:
Computer Vision & AI Dashboards:
Problem Solving & Process Optimization:
Training & Team Development:
Multitasking & Time Management:
Network & IT Infrastructure:
Administrative Coordination & Office Management:
Procurement & Financial Documentation:

CERTIFICATION & TRAINING

Industry 4.0 & Smart Factory Systems – Siemens, 2025

Drone Assembly & Electronics Integration – KACST Training, 2025

Docker & Containerization – Coursera, 2025

Computer Vision with Python/OpenCV – LinkedIn Learning, 2024

Supply Chain Advanced Planning – Academy 32, IR4.0 Capability Centre, Riyadh, 2025

Industrial Applications of Computer Vision Systems – IR4.0 Capability Centre, Riyadh, 2025

PROFESSIONAL SUMMARY

innovative and results-driven Industrial IoT Engineer & Smart Factory Specialist with proven expertise in Industry 4.0 integration, drone production systems, computer vision, and digital manufacturing workflows. Experienced in leading large-scale smart factory projects from design to implementation, integrating ERP, MES, and IIoT platforms. Recognized for building scalable AI dashboards, digital twins, and robotic systems to optimize performance and sustainability. A strategic thinker who combines technical depth with creative design to deliver end-to-end solutions for future-ready production environments.