

# Hussein Ali

## Environment and Sustainability Analyst

Certified ISO 14001:2015 Lead Auditor

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A High-Honors Emirati graduate from the University of Sharjah with a Bachelor of Science in Electrical & Electronics Engineering. Passionate about environmental sustainability and carbon footprint reduction, I aim to leverage my technical skills in renewable energy, energy efficiency, and eco-friendly innovations to drive sustainability initiatives and address environmental challenges. Driven by meaningful work that has a real-world positive impact in pioneering a more sustainable and low-carbon future, I seek opportunities to contribute to projects focused on green technologies, sustainable engineering practices, and environmental impact reduction within an innovative and forward-thinking organization.

### PROFESSIONAL EXPERIENCE

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#### ENVIRONMENT AND SUSTAINABILITY ANALYST EMIRATES FLIGHT CATERING

DUBAI, UNITED ARAB EMIRATES  
AUGUST 2024 – PRESENT

- Promoting and ensuring environmental sustainability within the organization.
- Monitoring the organization's compliance with ISO 14001 standard requirements.
- Managing environmental permits and regulatory carbon emissions reporting requirements.
- Developing and implementing strategies to minimize waste generation across all operations.
- Delivering environmental awareness to educate employees and stakeholders on sustainability initiatives.

#### GRADUATE TRAINEE - CONTROL ROOM BEEAH GROUP

SHARJAH, UNITED ARAB EMIRATES  
MARCH 2024 – AUGUST 2024

- Monitored and tracked waste collection routes using GPS technology to optimize routing efficiency and minimize delays.
- Analyzed data & performance metrics to optimize waste management operations for cost-effectiveness and sustainability.
- Analyzed data and reports to identify trends, patterns, and areas for improvement in waste management operations.
- Presented and promoted the company's waste management services to external clients and VIP guests.

#### ELECTRICAL ENGINEERING INTERN (6 WEEKS) RAYCOM ENGINEERING SYSTEMS

DUBAI, UNITED ARAB EMIRATES  
JUNE 2022 – JULY 2022

- Learned 3D modeling and CNC programming using MasterCam software.
- Gained hands-on, real-world experience operating different types of CNC machines.
- Conducted research and analysis on industry trends, providing valuable insights to the engineering team.
- Collaborated with the CNC Programmer to promptly complete a customer's order and ensure timely delivery.
- Assisted the marketing team in managing the company's social media accounts (Instagram and Facebook) to increase engagement and brand awareness.

### EDUCATION

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#### Bachelor of Science in Electrical and Electronics Engineering (CGPA: 3.88) UNIVERSITY OF SHARJAH

SHARJAH, UNITED ARAB EMIRATES  
2018 – 2022

- **Specialized Electives:**
  - Computer Communications & Networks, Wireless Communication, Special Topics in Control & Automation, Special Topics in Signal & Image Processing, Autonomous Robotics Control.
- **Senior Design Project:**
  - "Design and Control of a Dual-Arm Pick-and-Place Robot"
  - Led a group of three Engineers to design and build a cost-effective, open-source educational robot.
  - Successfully delivered a prototype with robotic arms that pick and place an object of predefined size.
  - Voted best project in the department of Electrical Engineering by an academic committee.

### SKILLS AND CORE COMPETENCIES

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- **Technical Skills:** C++ Programming | MatLab | PSpice | CircuitMaker | TutorTMS | Fusion 360 | MicroC | Arduino IDE | MasterCam | Microsoft Office (Word, Excel, PowerPoint, Outlook) | Circuit Design | Power Systems | Control Systems | Waste Management System | Fleet Tracking | Environmental Monitoring | Environmental Policy | Environmental Management System | Environmental Sustainability | Environmental Engineering | ISO 14001:2015 | Waste Reduction | Recycling | Decarbonization | Energy Efficiency | Carbon Footprint Reduction | Climate Change Mitigation
- **Electrical Engineering Principles:** Strong foundation in the core principles, including circuit analysis, digital electronics, engineering computation and linear algebra, communication and control systems.
- **Interpersonal Skills:** Effective Communication | Empathy | Leadership | Teamwork | Conflict Resolution | Time Management | Problem-Solving | Adaptability
- **Volunteerism:** Sales representative for DOH Café in Comic Con 2017 and ripe market events, Dubai Cares Walk for Education 2020 in Dubai Creek Park.
- **Languages:** English, Arabic and Swahili.