

Abdulaziz Taleb Alswiti

Al Rayyan, Qatar

a.alswiti@hotmail.com | +97466725216

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**Hiring Manager**

Siemens W.L.L.

Doha, Qatar

**Dear Hiring Team,**

I am excited to apply for the Grid Software Intern position within the Smart Infrastructure division at Siemens W.L.L. in Doha, Qatar. As a recent Electrical Engineering graduate from Qatar University (GPA: 3.54) with a minor in Engineering Project Management, I am eager to contribute my academic and practical experience to Siemens' vision of sustainable and connected infrastructure.

In my Senior Design Project, I developed a Smart Parking Management subsystem as part of a "Smart IoT Traffic System for Qatar University Campus." Using YOLO-based image classification and computer vision, I created a real-time parking occupancy monitoring system with a web interface to enhance traffic flow and pedestrian safety. This experience strengthened my skills in IoT technologies, data analytics, and web-based solutions, which align closely with the requirements of this role.

During my internship at Host Broadcast Services for the FIFA World Cup Qatar 2022, I configured IoT power monitoring devices (SNMP, Modbus TCP) and developed real-time dashboards using Grafana and Zabbix. This role further sharpened my expertise in data visualization and scalable IoT solutions, aligning with your focus on PowerBI dashboards and Smart Metering analytics.

My technical proficiency in MATLAB/Simulink, Python, and AI/ML equips me to contribute to grid software planning and decision support systems. Siemens' commitment to sustainable, energy-efficient solutions aligns with my passion for leveraging technology to drive positive change.

Thank you for considering my application. I look forward to discussing how my background and skills can contribute to Siemens' mission.

**Sincerely,**

**Abdulaziz Alswiti**