






Jahanzeb C.

AUTOMATION ENGINEERING TECHNOLOGY GRADUATE

OBJECTIVE

Results-driven Automation Engineering graduate with expertise in PLC programming, industrial robotics, SCADA systems, and IIoT technologies. Proficient in integrating modern automation tools like OpenPLC and Node-RED to streamline processes, enhance system reliability, and improve operational efficiency. Seeking to contribute to cutting-edge industrial automation projects

PERSONAL DETAILS

-  Hamilton, ON, Canada
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-  in/jahanzebchanna/

EXPERIENCE

- Capstone Project - Automated Greenhouse**
SOFTWARE/HARDWARE LEAD Sept, 2023 - Apr, 2024
 - Led the design and programming of a microcontroller-based automation system to support real-time monitoring and control for an automated greenhouse environment.
 - Integrated sensors, actuators, and data transmission protocols to allow seamless communication across the system, ensuring optimal performance and accuracy.
 - Documented system requirements and technical specifications, ensuring clear alignment with project objectives and smooth future enhancements.
- Johnson Controls**
JR. HARDWARE DESIGNER CO-OP Aug, 2020 - Aug, 2021
 - Assisted in testing and developing prototype PCBs and electronic systems, ensuring quality and adherence to project specifications
 - Supported quality compliance by creating automated test fixtures to improve testing procedures for critical systems.
 - Worked collaboratively with cross-functional teams to troubleshoot and resolve hardware and control issues in a fast-paced environment.

EDUCATION

- McMaster University**
BACHELOR OF TECHNOLOGY: AUTOMATION ENGINEERING TECH Graduated, June 2024

CORE AUTOMATION SKILLS

RSLogix/Studio 5000	OpenPLC	FANUC ROBOGUIDE
Industrial Robot Programming & Simulation	SCADA System Design and Implementation	Node-RED

SYSTEM DESIGN & VISUALIZATION

MATLAB/Simulink	LabVIEW	SolidWorks
AutoCAD		

COMMUNICATION PROTOCOLS AND PROGRAMMING LANGUAGES

OPC UA	Modbus	Profibus
CAN Bus	MQTT	Bluetooth BLE
Wi-Fi	Ethernet/IP	C++
SQL	Arduino IDE	

TESTING & QUALITY ASSURANCE

Automated Test Fixtures	PCB Testing & Debugging
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