DIVYANSH SANDHU

WELDING TECHNICIAN - PLC, Ladder Logic, Sensors Testing

✉ Divyanshseneca@gmail.com   ☎ +1 4166668241   📍 Toronto

SKILLS

- **PLC Systems**: Rockwell & Siemens PLCs with experience in RSLogix 5000 & TIA Portal V15 programming.
- **Communication Protocols**: Ethernet, Node-RED, protocols for industrial automation & device integration.
- **Programming Languages**: Ladder Logic programming for PLC automation and control processes.
- **Robotics**: Basic operation & programming knowledge of KUKA industrial robots applied in manufacturing.
- **Electrical & Sensor Systems**: Electrical material selection, PLC and panel wiring, soldering, sensor testing.

WORK EXPERIENCE

Senior Technician   **July 2024 − 2025**
Valvoline   *Alberta*

- Performed over 40 weekly automotive services including transmission, cooling, and fluid flush using standard service tools, diagnostic scanners, and torque wrenches to ensure optimal vehicle functionality and drivetrain performance.
- Resolved 50+ customer concerns weekly by delivering diagnostic feedback and service details through OBD-II interpretation, fault code analysis, and maintenance scheduling, enhancing customer throughput and operations by 20%.
- Supervised & trained 4+ junior technicians weekly, enforced operational protocols & workflow standardization using service manuals & inspection checklists during managerial absence, ensuring procedural compliance & shift continuity.

Assistant Supervisor
Tim Hortons   *Ontario*

- Supervised team operations while coordinating shift schedules for 10+ members, maintaining workflow accuracy and timely service during peak hours using POS system data, workload balancing metrics, resource allocation algorithms.
- Monitored stock levels and conducted inventory checks across categories, reducing shortages by 25% through structured storage and labeling techniques using SKU tracking, inventory management software, and automated reorder systems.
- Responded to 100+ customer queries daily and collaborated with cross-functional teams, ensuring transaction accuracy and smooth checkout experience using barcode scanning systems, CRM platforms, and integrated payment gateways.

Associate Clerk
NFI Group Inc   *Ontario*

- Executed inventory cycle counts and validated shipping and return data, reducing stock discrepancy rates by 30% using Excel-based tracking systems, RFID scanning, database reconciliation protocols, SQL queries, and ERP integration.
- Documented incoming inventory by verifying delivery specifications, reporting 100% of discrepancies within same-day cycles for timely corrections using electronic data interchange (EDI), quality assurance checklists, and audit trails.
- Packaged, labeled, and priced 200+ items daily across departments, optimizing turnaround times and ensuring barcode accuracy, product visibility, compliance with GS1 standards, batch traceability, lot serialization, and quality control.

Data Transferer
Technicolor   *Ontario*

- Transferred over 500 GB of enterprise-level secured data across departments, validating transfer logs for accuracy, timestamping, integrity verification, checksum validation, encryption protocols, and data serialization processes.
- Flagged and documented potential risk anomalies during data transitions, reducing post-transfer troubleshooting incidents by 40% using anomaly detection algorithms, audit trail analysis, and advanced pattern recognition techniques.
- Coordinated with 5+ departments for real-time reporting and system updates, assisting in secure distribution, traceable access, role-based access control (RBAC), and multi-factor authentication (MFA) protocols for transferred data.

PROJECT EXPERIENCE

Automatic Boiler Room-Wireless Communication (PLC-S7 1200)   **January 2023 − April 2023**
Project Lead, Ontario

- Engineered a boiler room automation system using Siemens S7-1200 PLC, reducing manual intervention by 90% and increasing thermal system response by 60% via NODE-RED-based SCADA architecture and MQTT protocol.

PLC-Based Conveyor Belt Automation System   **September 2022 − December 2022**
Automation Developer, Ontario

- Developed a real-time object sorting conveyor automation system using photoelectric sensors & actuators, achieving 98% sorting accuracy, reducing processing cycle time 40% with optimized TIA Portal v15 ladder logic & HMI integration.

EDUCATION

Advanced Diploma in Electromechanical Automation   April 2023
Seneca College, Ontario

CERTIFICATIONS

- **Advanced Diploma in Electromechanical Automation, G2 Driving License**
- **KUKA Robot Programming Certification, CPR Training Certification**