JOEL REJI

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PROFESSIONAL SUMMARY

Highly motivated Electronics and Communication Engineering graduate currently working as a Telematics Trainee, gaining hands-on exposure to Sibros DCP and ConnectM platforms, vehicle spec conversion, firmware flashing, and diagnostic log analysis. Complemented by a strong foundation in Industrial Automation, PLC programming, and SCADA systems, with hands-on experience in ABB, Delta WPLSoft, RSLogix 500, RSLinx Classic, TIA Portal, Wonderware InTouch SCADA, WinCC by Siemens, and practical knowledge of PLC programming using Ladder Logic.

Currently pursuing an MBA in Artificial Intelligence and Data Science through distance education, complementing my technical background with managerial and analytical skills. A quick learner with strong problem-solving, communication, and teamwork abilities, seeking an entry-level opportunity in telematics and industrial automation where I can apply my knowledge, gain practical experience, and contribute to organizational success.

EXPERIENCE

Software Validation Trainee- Montra electric **August 2026**

- Working on software validation and testing of automotive telematics systems using Sibros and ConnectM platforms.
- Performing India-to-Nepal vehicle software configuration along with conversion and validating the required functionality after configuration changes.
- Carrying out software flashing and performing post-flashing validation to ensure successful software deployment.
- Collecting and analyzing vehicle log files to identify errors, abnormal behavior, and software-related issues.
- Validating telematics features and vehicle connectivity after software updates and configuration changes.
- Performing functional testing and verification of software behavior against expected requirements.
- Supporting defect identification, troubleshooting, and issue reporting based on test results and log analysis.
- Maintaining test results and validation records for software releases and vehicle configurations.
- Gaining hands-on experience in automotive software validation, telematics testing, ECU flashing, diagnostics, and log analysis.

Python Full Stack Intern – Luminar Technolab **Jan 2024 – June 2024**

- Assisted in developing and maintaining web applications using Python, Django, HTML, CSS, JavaScript, and SQL, while collaborating with the development team to implement new features.

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering **2019 - 2023**
Ponnaiyah Ramajayam Institute of Science and Technology (**CGPA- 6.59**)

Professional Diploma in Industrial Automation **Nov 2025 – June 2026**
IPCS GLOBAL KOCHI

SRM University **2025 - 2027**
MBA(Artificial Intelligence and Data Science)

SKILLS

- **PLC:** Allen-Bradley, Siemens, ABB, Delta, Mitsubishi, Omron, Keyence
- **PLC Software:** RSLogix, TIA Portal, WPL Soft, CODESYS, GX Works, CX-Programmer, KV Builder
- **Protocols:** Modbus,Profibus, TCP/IP
- HMI, SCADA, VFD,PANEL WIRING
- Ladder Logic

PROJECTS

- **Automated Car Parking System using Allen-Bradley PLC**

Developed a PLC based automatic parking system using motors and sensors for vehicle detection and automated gate control through Ladder Logic programming.

- **AUTOMATIC LICENSE PLATE DETECTION AND TRACKING SYSTEM FOR RESIDENTIAL SECURITY**

Developed an Automatic License Plate Detection and Tracking System using EasyOCR. The system detects vehicle number plates, stores the plate number along with the date and time in a MySQL database, and sends a notification to the respective owner. It also maintains a database of vehicle entry records and captured images.

CERTIFICATES

- Industrial Automation Certification
- Python Full-stack
- TUV SUD Certificate in Industrial Automation and Control System