

Prince Khand Thakuri

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Summary	Electronics Engineering graduate with strong hands-on experience in test automation, measurement, EMC, and hardware validation. Skilled in LabVIEW, NI TestStand, SCPI-based instrument control, and RF/EMC testing, with additional experience in embedded systems and MATLAB/Simulink modeling. SFS 6002 certified, with a practical mindset suited for Test / Test Automation Engineer roles.		
Experience	Metropolia University of Applied Sciences, Finland Student Assistant – Electronics (Internship) ✉ https://www.metropolia.fi/fi	Oct 2025 – Dec 2025 Myllypurontie 1, Helsinki, Finland	
	<ul style="list-style-type: none">Supported embedded systems programming and testing in laboratory environmentsPerformed equipment testing, maintenance, and troubleshootingAssisted in electronics laboratory sessions and student experimentsDesigned and produced 3D-printed components for lab and project use		
	Lähi-Lataus Oy, Vantaa, Finland Electrical Installation Trainee / Technician (Part-time) <ul style="list-style-type: none">Assisted in design and installation of solar PV systemsInstalled and commissioned electric vehicle (EV) charging systemsPerformed electrical wiring, connection, and on-site troubleshootingWorked according to Finnish electrical safety standards (SFS 6002)Supported field installations and technical documentation	Apr 2025 – Aug 2025	
Education	Metropolia University of Applied Sciences, Finland Electronics Engineering	August 2022 - December 2025	Bachelor of Engineering
	Relevant coursework <ul style="list-style-type: none">Electromagnetic Compatibility (EMC)Mathematical Methods in Electrical Engineering and Automation TechnologyRF and Analog ElectronicsEmbedded Systems & Measurement Labs		
Projects	Raspberry Pi RetroPie Hardware Project ✉ https://github.com/VenomPrince/RetroPie-journey Raspberry Pi 3 <ul style="list-style-type: none">Installed and configured RetroPie OSPerformed hardware wiring and troubleshooting of boot and power issuesDesigned and 3D-printed custom Raspberry Pi enclosures for lab useIntegrated temperature monitoring using NTC thermistorsBuilt manual electronic circuits using resistors and transistors (no microcontroller)Considered power regulation and thermal behavior of the system during operation		
	Automated Test Environment for RIAA Amplifier with SCPI Commands, TestStand and LabVIEW ✉ https://urn.fi/URN:NBN:fi:amk-2025120933976 <ul style="list-style-type: none">Designed a fully automated test system using LabVIEW and NI TestStandImplemented SCPI-based instrument control without vendor-specific driversBuilt a LabVIEW state machine for reliable sequencing and safety handlingAutomated frequency sweep testing with FFT and THD% analysisIntegrated DAQ-based multi-point measurements (TP1–TP6 + output)Developed TestStand sequences with pass/fail logic and automated reporting		
Skills	Measurement & Test Equipment Hands-on experience measuring, validating, and troubleshooting electronic circuits using lab instruments. ● ● ● ● ○		
	Test Automation & Software Automated test development using LabVIEW and TestStand with SCPI-controlled instruments. ● ● ● ● ○		
	Electronics & Hardware Strong foundation in analog/digital electronics, circuit analysis, and hardware fault diagnosis. ● ● ● ● ○		
	EMC & RF Understanding of EMC/EMI principles, RF measurements, grounding, and noise mitigation. ● ● ● ● ○		
	Embedded & Systems System-level hardware integration using Raspberry Pi, sensors, and power regulation. ● ● ● ○ ○		
	Mathematical & Analysis Tools Applied mathematical modeling, signal processing, and system analysis using MATLAB & Simulink ● ● ● ○ ○		
Interests	Machine Learning, AI LLMs, Electronics, Soldering		
Certifications	SFS 6002 Electrical Safety Training (Finland) SETI ✉ https://princeesf.fi/	December 2025	
	Degree Certificate Metropolia University of Applied Sciences ✉ https://pricedegreecertificate.fi/		
Languages	English ● ● ● ● ●		
	Finnish ● ● ○ ○ ○		
	Hindi ● ● ● ● ●		
	Nepali ● ● ● ● ●		