

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 <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	Oct 2025 – Dec 2025 Myllypurontie 1, Helsinki, Finland Apr 2025 – Aug 2025
Education	Posti Group Oy Newspaper Delivery https://www.posti.fi/en	March 2023 - Present Vantaa
	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/ Degree Certificate Metropolia University of Applied Sciences https://princedegreecertificate.fi/	December 2025
Languages	English ● ● ● ●	
	Finnish ● ● ○ ○ ○	
	Hindi ● ● ● ● ●	
	Nepali ● ● ● ● ●	