

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	<b>Metropolia University of Applied Sciences, Finland</b> Student Assistant – Electronics (Internship) <a href="https://www.metropolia.fi/fi">https://www.metropolia.fi/fi</a> <ul style="list-style-type: none"><li>Supported embedded systems programming and testing in laboratory environments</li><li>Performed equipment testing, maintenance, and troubleshooting</li><li>Assisted in electronics laboratory sessions and student experiments</li><li>Designed and produced 3D-printed components for lab and project use</li></ul>	<b>Oct 2025 – Dec 2025</b> Myllypurontie 1, Helsinki, Finland
	<b>Lähi-Lataus Oy, Vantaa, Finland</b> Electrical Installation Trainee / Technician (Part-time) <ul style="list-style-type: none"><li>Assisted in design and installation of solar PV systems</li><li>Installed and commissioned electric vehicle (EV) charging systems</li><li>Performed electrical wiring, connection, and on-site troubleshooting</li><li>Worked according to Finnish electrical safety standards (SFS 6002)</li><li>Supported field installations and technical documentation</li></ul>	<b>Apr 2025 – Aug 2025</b>
	<b>Posti Group Oy</b> Newspaper Delivery <a href="https://www.posti.fi/en">https://www.posti.fi/en</a>	<b>March 2023 - Present</b> Vantaa
Education	<b>Metropolia University of Applied Sciences, Finland</b> Electronics Engineering <b>Relevant coursework</b> <ul style="list-style-type: none"><li>Electromagnetic Compatibility (EMC)</li><li>Mathematical Methods in Electrical Engineering and Automation Technology</li><li>RF and Analog Electronics</li><li>Embedded Systems &amp; Measurement Labs</li></ul>	<b>August 2022 - December 2025</b> Bachelor of Engineering
Projects	<b>Raspberry Pi RetroPie Hardware Project</b> <a href="https://github.com/VenomPrince/Retropie-journey">https://github.com/VenomPrince/Retropie-journey</a> Raspberry Pi 3 <ul style="list-style-type: none"><li>Installed and configured RetroPie OS</li><li>Performed hardware wiring and troubleshooting of boot and power issues</li><li>Designed and 3D-printed custom Raspberry Pi enclosures for lab use</li><li>Integrated temperature monitoring using NTC thermistors</li><li>Built manual electronic circuits using resistors and transistors (no microcontroller)</li><li>Considered power regulation and thermal behavior of the system during operation</li></ul>	
	<b>Automated Test Environment for RIAA Amplifier with SCPI Commands, TestStand and LabVIEW</b> <a href="https://urn.fi/URN:NBN:fi:amk-2025120933976">https://urn.fi/URN:NBN:fi:amk-2025120933976</a> <ul style="list-style-type: none"><li>Designed a fully automated test system using LabVIEW and NI TestStand</li><li>Implemented SCPI-based instrument control without vendor-specific drivers</li><li>Built a LabVIEW state machine for reliable sequencing and safety handling</li><li>Automated frequency sweep testing with FFT and THD% analysis</li><li>Integrated DAQ-based multi-point measurements (TP1–TP6 + output)</li><li>Developed TestStand sequences with pass/fail logic and automated reporting</li></ul>	
Skills	<b>Measurement &amp; Test Equipment</b> Hands-on experience measuring, validating, and troubleshooting electronic circuits using lab instruments. <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <b>Test Automation &amp; Software</b> Automated test development using LabVIEW and TestStand with SCPI-controlled instruments. <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <b>Electronics &amp; Hardware</b> Strong foundation in analog/digital electronics, circuit analysis, and hardware fault diagnosis. <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <b>EMC &amp; RF</b> Understanding of EMC/EMI principles, RF measurements, grounding, and noise mitigation. <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <b>Embedded &amp; Systems</b> System-level hardware integration using Raspberry Pi, sensors, and power regulation. <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <b>Mathematical &amp; Analysis Tools</b> Applied mathematical modeling, signal processing, and system analysis using MATLAB & Simulink <div><div></div><div></div><div></div><div></div><div></div><div></div></div>	
Interests	<b>Machine Learning, AI LLMs, Electronics, Soldering</b>	
Certifications	<b>SFS 6002 Electrical Safety Training (Finland)</b> SETI <a href="https://princeesf.fi/">https://princeesf.fi/</a>	<b>December 2025</b>
	<b>Degree Certificate</b> Metropolia University of Applied Sciences <a href="https://princedeegreecertificate.fi/">https://princedeegreecertificate.fi/</a>	
Languages	<b>English</b> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <b>Finnish</b> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <b>Hindi</b> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <b>Nepali</b> <div><div></div><div></div><div></div><div></div><div></div><div></div></div>	