



Prince Khand Thakuri

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Summary Experienced in electronics and software, including **LabVIEW, NI TestStand, KiCad, MATLAB, and Jupyter Notebook**. Skilled in **PCB design, testing, and prototyping**, with hands-on experience working with **circuit boards and laboratory equipment**. Proficient in **hand soldering** and conducting experiments in lab environments.

Experience

Lähi-Lataus Oy **April 2025 - August 2025**
Electrical installation Trainee
 <https://lahilataus.com/>

Worked as an Electrical Installation Trainee at Lahi Lathus Oy (April 2025 – August 2025), gaining hands-on experience in wiring, installation, and maintenance of electrical systems, including single-phase and three-phase setups, plugs, and AC systems. Involved in the **design and installation of solar power systems (Aurinkosähköjärjestelmien) and electric vehicle charging systems (sähköajoneuvojen latausjärjestelmien)**, enhancing practical skills in renewable energy and EV infrastructure.

Posti Group Oyj **March 2023 - Present**
Part time Newspaper Delivery Uusimaa
 <https://www.posti.com>

Working as a part time early morning newspaper delivery person.

Education

Metropolia University of Applied Sciences **August 2023 - Ongoing**
Bachelor's in Electronics Engineering Bachelors Degree
4.5
 <https://www.metropolia.fi/fi>

Shree Shitaladevi **2020 - 2022**
Science and Mathematics Higher Secondary

Bethany Boarding Secondary School **2011-2020**
Mathematics Secondary Education

Projects

Distance sensor toy car
Ultrasonic sensor-based motor control with obstacle detection

Arduino-based toy car using an ultrasonic sensor, 2×16 LCD, and motor drivers. Automatically detects objects, stops, and reverses, demonstrating **sensor-based motion control and automation**.

Digital Clock from Scratch
Built a digital clock from scratch using 74LS ICs, 555 timers, and 7-segment displays; designed and soldered PCB.

Designed and implemented a fully functional digital clock entirely in hardware. Used **74LS series ICs, 555 timers, and six 7-segment displays** to create the logic circuit, simulated in **Multisim**, designed the PCB, and soldered all components. Demonstrates strong skills in **digital logic design, circuit simulation, PCB fabrication, and hands-on hardware integration**.

Portfolio Website
A personal website for myself
 <https://princekhandthakuri.netlify.app>

Skills

Electrical & Electronics
EV chargers & solar panel installation | Single-phase & three-phase wiring | AC systems, plugs, power distribution
● ● ● ● ● ○

Embedded Systems & IoT
Arduino, ATmega, ESP32, AVR projects | PCB design, soldering, circuit troubleshooting | Sensors, actuators, motor drives, I2C displays | Embedded programming: C, C++, Python
● ● ● ● ● ○

Software & Tools
VSCode, Arduino IDE, ESP-IDF, Jupyter Notebook | LabVIEW, TestStand, MATLAB | Multimeter, soldering iron, oscilloscope, power supply, function generator, power tools | Web basics: HTML, CSS, JavaScript
● ● ● ● ● ○

Methodologies & Projects
Team-based innovation projects, Agile workflows | QA, testing, troubleshooting | Quick learner, problem-solving, clean design
● ● ● ● ○ ○

Languages

Finnish
Basic conversational, can read, write, and understand everyday Finnish
● ● ○ ○ ○ ○

English
Fluent (reading, writing, speaking)
● ● ● ● ● ●

Nepali
● ● ● ● ● ●