



# NISCHAL GAUTAM

## CONTACTS

01

[GITHUB.COM/NISCHAL1313](https://github.com/Nischal1313)

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HELSINKI / VANTAA

+358 44 333 2842

## EDUCATION

02

2023 Autumn - Ongoing

### METROPOLIA UAS

Smart IoT Systems: Embedded IoT Devices

## REFERENCES

03

### Joseph Hotchkiss

Project engineer, Metropolia  
[Joseph.Hotchkiss@metropolia.fi](mailto:Joseph.Hotchkiss@metropolia.fi)

### Keijjo Lähsikunnas

Lecturer, Metropolia  
[Keijjo.Lansikunnas@metropolia.fi](mailto:Keijjo.Lansikunnas@metropolia.fi)

## EXPERIENCE

04

2025 - Ongoing

### Smart JumpRope

- User data handling
- Front end design
- Software-hardware integration
- Internal as well as 3D-design
- RTOS and system design

09.2025 / 10.2025

### Green House Controller

- RTOS coding and system design
- Cloud connection
- Local user interface and OOP

06.2025 / 07.2025

### RoboGarage, Metropolia

- M.L. algorithm
- ESP-PS4 controller integration
- 3D design and soldering
- A mini robot assembling and wiring

08.2025 / 9.2024

### Health Assistant, Hackathon

- Second place in Hackathon  
Calorie Tracker
- Smart Fridge system
- Recipe suggestions

## SKILLS

05

EMBEDDED  
DEVICES

PYTHON

C & C++

JAVASCRIPT

IoT SYSTEMS

DEPLOYMENT

ROBOT  
FRAMEWORK

TEST  
AUTOMATION

DATA ANALYSIS

QML

## LANGUAGES

06

English

Fluent

Finnish

Native

Nepali

Native

Hindi

Basic  
Communication

## OTHER SKILLS

07

Experience with QT systems via the QT basics and QT intermediate course. 07.2025

Deployment and international collaboration in international sensor development course. Ongoing

Data statistics & analytics, Data structure and algorithms with Python. 07.2024

Intro to Machine Learning via an intensive course in Metropolia 08.2025

