



NISCHAL GAUTAM

CONTACTS

01

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

WEBSITE

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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

Keijjo Lähsikunnas

Lecturer, Metropolia
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

SOLDERING

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

