

NISCHAL GAUTAM



CONTACTS 01

[GITHUB.COM/NISCHAL1313](https://github.com/nischal1313)

WEBSITE

G.NISCHAL@PROTONMAIL.COM

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

Keijo Lähsikunnas

Lecturer, Metropolia
Keijo.Lähsikunnas@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 Metropilia 08.2025

