PARTH KIKANI

• University Student | Trainee @ Reactron Technologies •

ABOUT ME

As a fourth-year Information Technology student, I am actively involved in the evolving field of Smart IoT Systems. My proficiency spans programming, IoT, networking, and web/mobile development, enabling me to apply both theoretical insights and hands-on expertise across diverse projects. Working within multicultural teams on academic initiatives has enhanced my adaptability and broadened my technical understanding. I bring a passion for innovation, a strong work ethic, and a proven ability to collaborate effectively.

SKILLS

Programming Languages:
- C, C++, Python, JavaScript, Typescript, HTML, CSS

Frameworks/Technologies:
- React.js, React Native, Node.js, Express.js, MongoDB, FreeRTOS

Concepts:
- Embedded Systems, Version Control (Git), Object Oriented Programming, REST API

Soft Skills:
- Team Player, Clear Communication, Leadership, Active Listening

WORK EXPERIENCE

Reactron Technologies Oy | Technology consultant agency
May 2024 - November 2024
Trainee
- Developed web applications using **React**, focusing on building dynamic and responsive user interfaces for a seamless user experience.
- Created mobile applications with **React Native**, delivering cross-platform solutions independently.
- Successfully completed multiple web and mobile app projects, managing the entire development lifecycle under the guidance of a supervisor.
- Delivered technical code presentations, explaining and documenting complex code structures, enhancing clarity for the supervisor.

+358 413119110 • parthkikani02@gmail.com • Website • GitHub • LinkedIn

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PROJECTS

Netflix Clone

Individual Project, Oct 2024

Developed a partial Netflix clone to demonstrate expertise in mobile UI development and API integration. The project replicates essential features of Netflix such as **integrated video playback** functionality for seamless media streaming and **dynamic profile management** with features to **add, edit, and display** profiles.

- Tech Stack used: JavaScript, React Native
- GitHub: Netflix Clone

Restaurant Search App

Individual Project, Sept 2024

Developed a **mobile restaurant search app that allows users to discover restaurants based on price categories**. The app provides detailed restaurant information, **including user ratings and reviews**, helping users make informed dining choices. Implemented intuitive UI/UX to enhance the search experience and ensure easy navigation across restaurant listings.

- Tech Stack used: JavaScript, React Native
- GitHub: Restaurant Search App

Car Map

Individual Project, Aug 2024

Developed a **web** and **mobile** car map application that **displays cars' locations alongside the user's current location on an interactive map**. The app features a comprehensive list of cars with **advanced filtering and sorting options**, allowing users to easily search for specific vehicles. Integrated real-time data and intuitive navigation for a seamless user experience.

- Tech Stack used:
  - Web: TypeScript, React
  - Mobile: JavaScript, React Native
- GitHub: Car Map (web version), Car Map (mobile version)

Fingerprint Voting System

Group Project, Dec 2023

Developed a secure voting system that integrates a **fingerprint sensor module for user authentication** before casting votes. The system ensures accuracy and privacy in the voting process, with a **dedicated website** where users can access **election results** and **review their voting history**. Designed to enhance the integrity of the voting process through biometric verification.

- Materials used: Raspberry Pi 4B, Adafruit optical fingerprint sensor
- Tech Stack used: HTML, CSS, JavaScript, Python, MongoDB
- GitHub: Fingerprint Voting System

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Weather Station

Group Project, Dec 2023

The Weather Station is a comprehensive system for **real-time monitoring of rainfall, temperature, and humidity**. It features a live page that displays real-time weather data and **offers interactive charts** for exploring historical data. Users can view **Bar** and **Line** charts for specific date ranges or **Doughnut** charts for selected sample numbers. Weather data is received via MQTT and stored in MongoDB for future reference and detailed historical analysis.

- Materials used: Raspberry Pi Pico W, AHT20 Sensor, Raindrops Detection Module, PS12 Buzzer, SSD1306 OLED Display
- Tech Stack used: C, HTML, CSS, JavaScript, FreeRTOS, MQTT
- GitHub: Weather Station

EDUCATION

Bachelor of Information Technology **Aug 2021 - Aug 2025**

Metropolia University of Applied Sciences, Helsinki

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