A smart musical instrument-based real-time musical pattern detection system
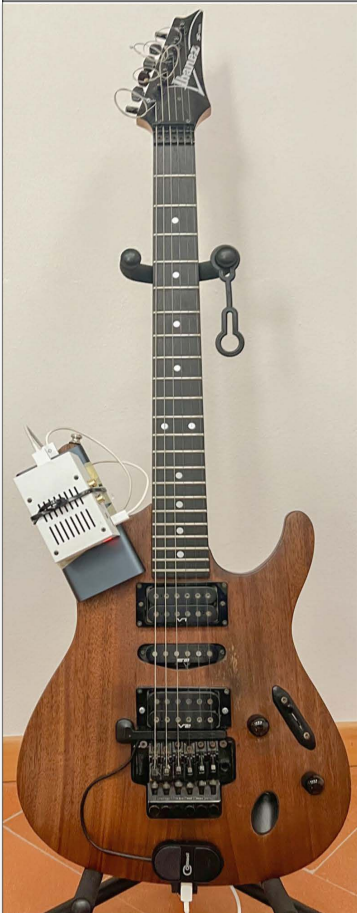
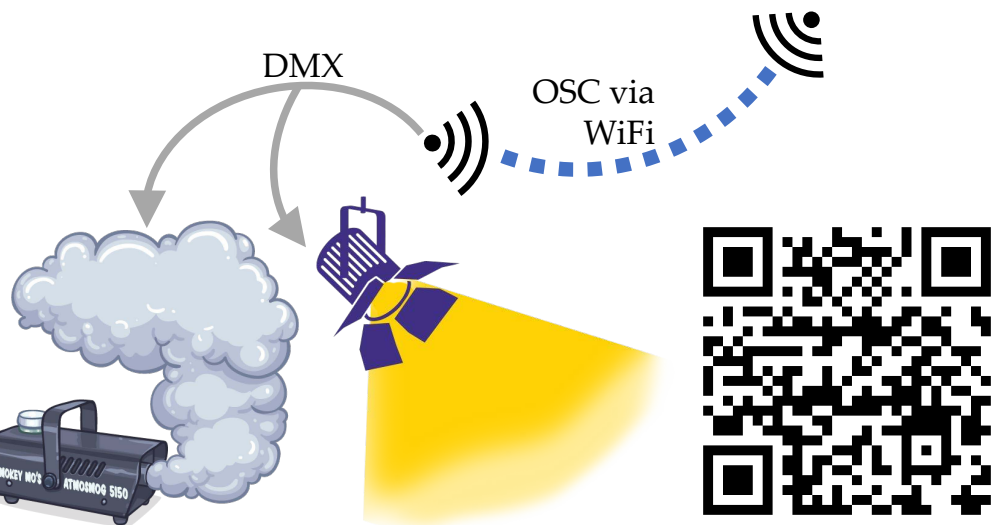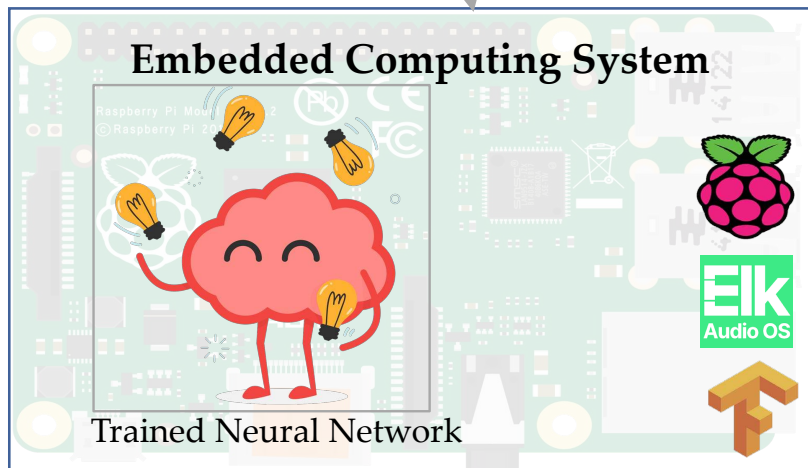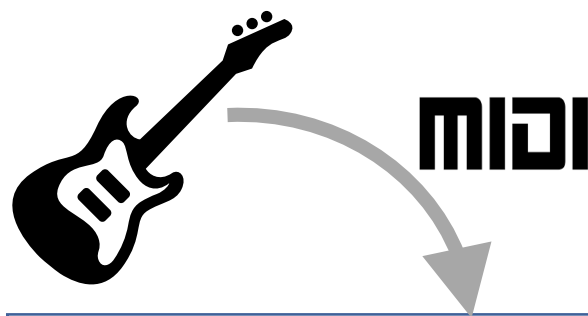| Nishal Silva	Luca Turchet

An AI powered real-time pattern detection algorithm, hosted within a VST plugin: capable of controlling external peripherals wirelessly through musical phrases.

FINALIST
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2023

The Smart Electric Guitar

How does it work?

MIDI

Embedded Computing System

Raspberry Pi

Elk Audio OS

Trained Neural Network

DMX

OSC via WiFi

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