Some links <https://docs.csc.fi/computing/systems-puhti/> <https://docs.csc.fi/computing/systems-mahti/>

<https://vdi.helsinki.fi/portal/webclient/index.html>

Turso Terminal commands:

ssh pdas@turso01.cs.helsinki.fi

srun -M ukko --mem=32G -p gpu --interactive --pty --gpus=1 /bin/bash

nvidia-smi

<https://version.helsinki.fi/it-for-science/hpc/-/issues>

srun command

[\\turso-fs.cs.helsinki.fi\home\pdas](file:///\\turso-fs.cs.helsinki.fi\home\pdas)

<https://version.helsinki.fi/it-for-science/hpc/-/wikis/4.0-Basic-User-Guide>

<https://version.helsinki.fi/it-for-science/hpc/-/wikis/6.0-Graphical-User-Interface>

<https://hub.cs.helsinki.fi/>

ssh-keyscan -t rsa -H turso-fs.cs.helsinki.fi >> ~/.ssh/known\_hosts

code . --no-sandbox --disable-gpu-sandbox

Understand the speech LLMs better.

What part of the speech I want to use to extract the context. Think about the context window. Last 5 seconds or different parts of the conversation. Find good strategies.

Integrate different modalities (vision, physical) to get better context.

Use cases.

1. Voice discussion in the LLM canvus
2. Identify the situation of harassment or other safety agents.

Classifiers of LLMs

Emotion classifier models that preserve annotate

Annonate emotions from voice. Angry, happy

Parallelly do this with different LLMs

Take a look at the papers. <https://paperswithcode.com/task/speech-emotion-recognition>

Audio based <https://github.com/aris-ai/Audio-and-text-based-emotion-recognition>