

## Experience

### Intern at Peppermint

May 2021 - Aug 2021

- Worked on a Proof of Concept detection and tracking of obstacles in crowded areas.
- Trained the model using PyTorch with 85% accuracy and integrated it into the robot using Python and ROS
- Deployed the model on Nvidia Jetson Xavier and achieved 5+ FPS performance in the detection of all objects in the coco dataset.

### Intern at Intelligent Control Lab

Jul 2020 - Jan 2021

- Developed a Bluetooth Low Energy Module for accessing elevator controls using Arm Cortex-M STM32wb microcontroller.
- Integrated a Proof Of Concept Local Planner on a food delivery robot.

## Projects

### TimeKeeper Github

C#, React

- Developed a simple employee time tracking webapp with ASP.NET WebAPI, React, Tailwindcss and Postgresql.
- It features an auth service, profile page and an admin dashboard for visualization.

### katologue Github

C#, Svelte

- Designed an ebook reader webapp where users can read books, track progress and search for books.
- Made using ASP.NET WebAPI, SvelteJS, Tailwindcss and Postgresql.

### PMC Github

Python

- Created a CLI media player application that can play movies on device using MPV, automatically load subtitles and sync progress online using Trakt API.
- Users can track their watch history, search movies and create watch lists.

## Education

### NTUT, Taiwan

Sep 2021 - Jul 2023

M.Sc, Electrical Engineering, GPA: 3.7

### SRM IST, Chennai, India

Aug 2017 - Jun 2021

B.Tech, Mechatronics Engineering, GPA: 7.2/10

## Skills

**Programming Languages** Python, JavaScript/TypeScript, C#, HTML/CSS

**Technologies** React, Git, Docker, Linux

**Spoken Languages** English (Professional), Hindi (Native), Japanese (Spoken), Chinese (Beginner)