

Introduction

Driven and dedicated software engineer eager to apply my skills in building practical software. I am experienced in building full stack applications with skills in C# ASP.NET and designing responsive frontends using Javascript and React. Visit my portfolio at [Vercel](#)

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

- Worked on a delivery robot project and developed an elevator controller using Bluetooth Low Energy for tasks like door opening and floor selection.
- Utilized STM32 controller to create a Bluetooth interface and integrated it into the robot.
- Experimented with integrating a new Local Path Planner into the robot for efficient navigation.

Projects

TimeKeeper [Github](#)

C#, React

- Developed TimeKeeper, a employee management utility app with check-in/out functionality, visualization and smooth attendance tracking.
- Implemented key features including authentication, comprehensive user and admin dashboard.
- Utilized C# ASP.NET with Postgresql for the backend and employed Svelte for the frontend development.

katologue [Github](#)

C#, Svelte

- Designed an ebook reader webapp where users can read books, track progress and search for books.
- It features a search interface powered by OpenLibrary API. Users can edit metadata for existing books or add books to their to-read list.
- Made using ASP.NET WebAPI, SvelteJS, Tailwindcss and Postgresql.

rd-client [Github](#)

C#

- The rd-client is a command-line interface (CLI) application designed for downloading files from P2P network. It leverages the combined capabilities of Real-Debrid and Aria2.
- Developed an interface to consume Real-Debrid APIs, a high-speed cache service facilitating swift downloads.
- Created an RPC interface for Aria2 for downloading files from real-debrid links.

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#, Golang, HTML/CSS

Technologies React, ASP.NET, Git, Docker, Linux

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