

Vivin Thiyagarajan

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SUMMARY

I build intelligent systems that help robots see, learn, and (hopefully) not crash. From training reinforcement learning agents to optimizing robotic manipulation with vision-language models, I thrive at the intersection of AI and robotics. Whether it's tinkering with ROS, fine-tuning neural networks, or designing autonomous systems, I love pushing the limits of what machines can do—preferably without too many unexpected "features." Always up for a challenge, a great dataset, and a robot that actually follows instructions.

EXPERIENCE

Research Assistant

USC Viterbi School of Engineering

January 2025 - Present

Research Intern

Indian Institute of Science (IISc)

April 2024 - July 2024

Research Intern

Indian Institute of Technology, Madras

September 2022 -
September 2023

Research intern

Indian Institute of Technology, Roorkee

September 2021 -
September 2022

Research Intern

Indraprastha Institute of Information Technology, Delhi

October 2021 - January
2022

Summer Undergraduate Research Internship (SURI)

Ira A. Fulton Schools of Engineering at Arizona State University

May 2021 - July 2021

EDUCATION

University of Southern California

2024 -

Master of Science - MS , Electrical and Computer Engineering

Vellore Institute of Technology

2019 - 2023

Bachelor of Technology - BTech , Electrical, Electronics and Communications Engineering

The Indian Public School Erode & Salem

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SKILLS

- PyTorch
- Gazebo
- Autodesk Fusion 360

LANGUAGES

- Tamil

LANGUAGES

- English

LANGUAGES

- Hindi

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