

Ishaan Mehta

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EXPERIENCE

IT Intern | Persimmons

July 2026 - August 2026

- Migrated infrastructure into data center, to give clients better access to resources previously limited by cooling constraints
- Set up and configured cluster computing using Slurm to allow an even distribution of computing resources to developers
- Designed plugins for AI Agents to interface with Slurm for more efficient workflows
- Created web-based frontend for Slurm to track running processes. It served as a replacement for the CLI tools that already exist but were hard to visually parse.

Intern | Thelios

June 2024 - July 2024

- Designed the training data for an AI model that analyzes volleyball games. The model was built to track how each player on the court performed throughout the game, as well as to predict potential injuries before they happened.

Computer Vision Lead | First Robotics, Team #9634 Zero Tolerance

December 2023 - May 2024

- Designed and mounted vision hardware onto the frame of the robot
- Delegated tasks across the software team to ensure deadlines could be met despite the small number of team members
- Use the IMU and camera data from an Xbox Kinect to run the robot autonomously through the detection of April Tags

PROJECTS

<https://codeberg.org/MeanBeanie/tea>

March 2026 - July 2026

A statically typed, compiled programming language. The compiler generates and assembles x86_64 assembly.

- Written using C
- Uses a mix between Recursive Descent and Pratt Parsing
- Ability to integrate with existing C libraries (such as Raylib or SDL) through external declarations. This allows for the insertion of the language into already existing codebases
- Can make system calls to the Linux kernel to perform operations such as reading or writing to a file
- Supports namespacing and file inclusion
 - Recursively searches the current directory and subdirectories for files that implement required namespaces

SKILLS

Programming Languages: C, C++, Python

Technologies: Slurm, ROS2

Foreign Languages: Hindi/Marathi (Heritage Speaker), French (Conversational)

EDUCATION

Saratoga High School

August 2022 - June 2026

Saratoga, California

Cumulative GPA: 3.5

Oregon State University

September 2026 - June 2030

Corvallis, Oregon

Bachelors of Science in Electrical and Computer Engineering