

Ishaan Mehta

i4mehta@uwaterloo.ca | (626) 365-9357

linkedin.com/in/ishaan-mehta-962b3a351 | github.com/ishaanzee

U.S. Citizen

Education

University of Waterloo

Bachelor of Applied Science, Computer Engineering, Co-op

Waterloo, ON

September 2026 – Present

Experience

AutoFillPDF

Founder & Engineer

Remote

February 2025 – Present

- Built and launched a document automation platform used by 70+ monthly users and generating \$1,000+ in monthly recurring revenue.
- Trained an RF-DETR object-detection model on CommonForms to locate form-field bounding boxes in flattened PDFs, enabling previously non-editable documents to be completed digitally.
- Developed a production pipeline combining computer vision, document parsing, and language models to identify fields, infer field meaning, and populate forms from user context.

SoCal Rehab

ML Engineer

Remote

June 2026 – Present

- Built a clinical-document automation workflow with Vertex AI and Google Apps Script to extract patient information from PDFs and draft structured notes for clinician review.
- Reduced processing time from approximately 5 hours to 15 minutes per patient across a 100+ patient workload by automating repetitive documentation and billing steps.

Robotics & Technical Projects

FIRST Robotics Competition

Lead Electrical Engineer & Programmer, Team 2404

South Pasadena, CA

2024 – 2026

- Led electrical integration and programming for a 30+ member team, wiring and debugging robot subsystems under competition time constraints.
- Developed a Python targeting algorithm using computer-vision tracking, projectile motion, and robot velocity to align shots while the robot was moving.
- Helped the alliance place 1st at the 2026 CA District Glendale Event and 3rd at the Aerospace Valley Regional.

Electric Bike

2024 – 2025

- Built mid-drive and hub-drive e-bike conversions, fabricating wire harnesses and integrating motors, controllers, batteries, and power-delivery electronics.
- Diagnosed battery-pack and high-voltage electrical faults through systematic measurement and component-level troubleshooting.

Skills

Languages: Python, TypeScript, Java

ML / Computer Vision: PyTorch, RF-DETR, Hugging Face, Weights & Biases, model training and deployment

Robotics / Tools: Git, Linux, Arduino, Raspberry Pi, LiDAR, IMU, Google Cloud Vertex AI, PostgreSQL