

# Isaí Jesús Tapia Alcázar

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## Education

### Instituto Tecnológico de Zacatepec

Computer Systems Engineer, Specialization in Data Science

- Member of the IEEE Student Branch, contributing to student learning activities and research projects.

Zacatepec, Morelos, Mexico

Graduating in 2026

## Leadership & Activities

### Verano Internacional de Investigación en Ciencia y Tecnología 2025

Student Researcher & Speaker

- Developed and prototyped a real-time object detection model using the YOLOv8 architecture to identify early-stage agricultural distress.
- Applied public speaking and communication skills by presenting project findings to a technical audience.

Acapulco, Guerrero, Mexico

June 16 - July 25

### Samsung Innovation Campus by Universidad de Monterrey & Samsung

Online

Course Student

November 2024 - April 2025

- Developed a final project using regression, classification, and clustering, improving AI knowledge and leadership skills.

### Consejo de Ciencia y Tecnología del Estado de Morelos

Online

Course Student

August 2023 - March 2024

- Awarded a government scholarship to complete a professional-led course on AI & Data.

### Technology Blog

December 2023 - Currently

Fullstack Developer

- Developed a blog providing tools and resources to guide people into programming.

## Awards

### ICPC Mexico Finals 2023 & 2025

Guadalajara, Jalisco, Mexico

Finalist

October 2023, November 2025

- Demonstrated expertise in algorithms and teamwork under high-pressure, time-constrained conditions.
- Competed in the 2025 finals against 133 teams from 70 universities, reinforcing problem-solving skills.
- Achieved a rank of 37th in Mexico (2023) and recognition as the #1 team in the state of Morelos.

### Coding Cup TecNM 2023 & 2025

Online

3rd Place Winner & Finalist

September 2023, September 2025

- Secured 3rd place (of 551 teams) and 26th place (of 238 teams) in the 2023 and 2025 competitive programming competitions, respectively.

### Startup Weekend Morelos

Cuernavaca, Morelos, Mexico

1st Place Winner

May 2024

- Developed a solution to counteract climate change using sustainable technology, earning 1st place.
- Collaborated in a multidisciplinary team to create a prototype in less than 38 hours, demonstrating problem-solving, rapid prototyping, and teamwork skills.

### InnovaTecNM 2023 (HackaTecNM), National Phase

Puebla, Mexico

Finalist

November 2023

- Attained this advancement while competing against 147 technological institutes.
- Developed a transportation routing system using categorical supervised learning to predict optimal routes.

### HackaTecNM ITZacatepec

Zacatepec, Morelos, Mexico

3rd Place Winner

September 2022

- Led a team to 3rd place during my first semester, delivering a viable solution using Machine Learning.

## Skills

**Languages:** English (B2), Spanish (native).

**Programming:** Python, SQL, C++, JavaScript, TypeScript, Numpy, Pandas, Matplotlib, Scikit-Learn, Tensorflow, Power BI, Git, HTML, CSS, React JS.

**Soft skills:** Empathy, Teamwork, Leadership, Communication, Adaptability, Problem-Solving Under Pressure.

**Interests:** Design, Gym, Soccer, Basketball, Hiking, Rappelling, Mountain Biking, Skydiving.