

# Shalom Keshet

Independent Researcher  
Mathematics · Computation

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## Research Interests

- Algebraic and analytic transformation of piecewise-defined functions
- Conditional operators and symbolic computation
- Exploratory connections between discrete and continuous dynamical systems

## Research & Preprints

**A Novel Approach to Transforming Piecewise Functions**  
viXra:2507.0216, 2025

## Publications & Writing

### Books (Science / Non-fiction)

- Herman Potočnik's *Space Odyssey*

### Books (Fiction)

- *The Lost Boy* (translated into Slovenian)
- *Giratina: The Distortion World*
- *What Happened to Gravity!*

## Technical Skills

- Programming: Python
- Symbolic computation
- Mathematical modeling
- Scientific writing (LaTeX, Markdown)

## Projects

### CADS-AGRI

Computational decision-support system for agricultural analysis and modeling.

## **Honors & Recognition**

- Camp Google, Winner (2020)
- Entrepreneurship Award, IIT Madras E-21 (2025)

## **Education**

Independent study in mathematics, physics, and computation.