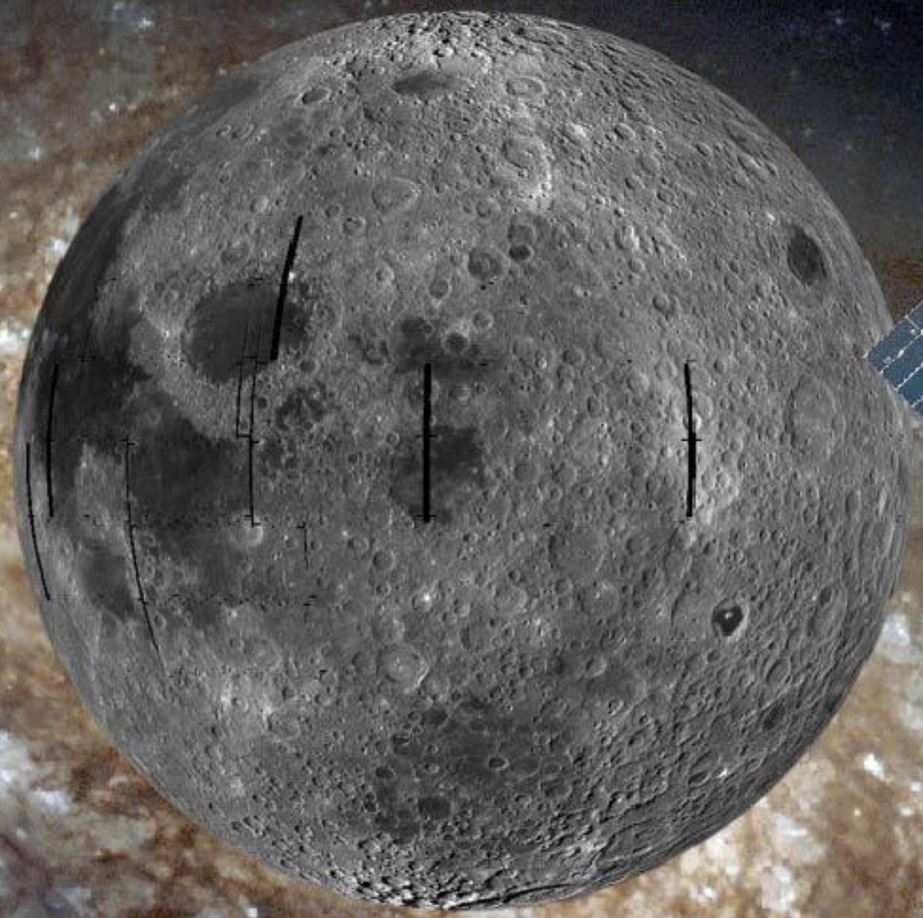
Smart Telescope



Revolutionizing exoplanet discovery through artificial intelligence

The Exoplanet Discovery Bottleneck

20+ Years of Data

Kepler, TESS, and K2 missions have collected massive datasets from space-based observations

Manual Classification

Thousands of potential exoplanets identified through time-intensive human analysis

Discovery Delays

Slow manual processes limit our understanding of the universe and delay breakthrough discoveries

We're drowning in cosmic data while answers to humanity's biggest questions wait in the queue.

AI-Powered Exoplanet Classification

Automated Analysis

Advanced ML algorithms process massive datasets instantly

Three Classifications

Confirmed | False Positive | Candidate for further investigation

Instant Results

From months of manual review to seconds of automated classification

CatBoost & XGBoost ensemble models deliver unprecedented accuracy in exoplanet identification

Accelerating Discovery for Everyone

NASA Researchers

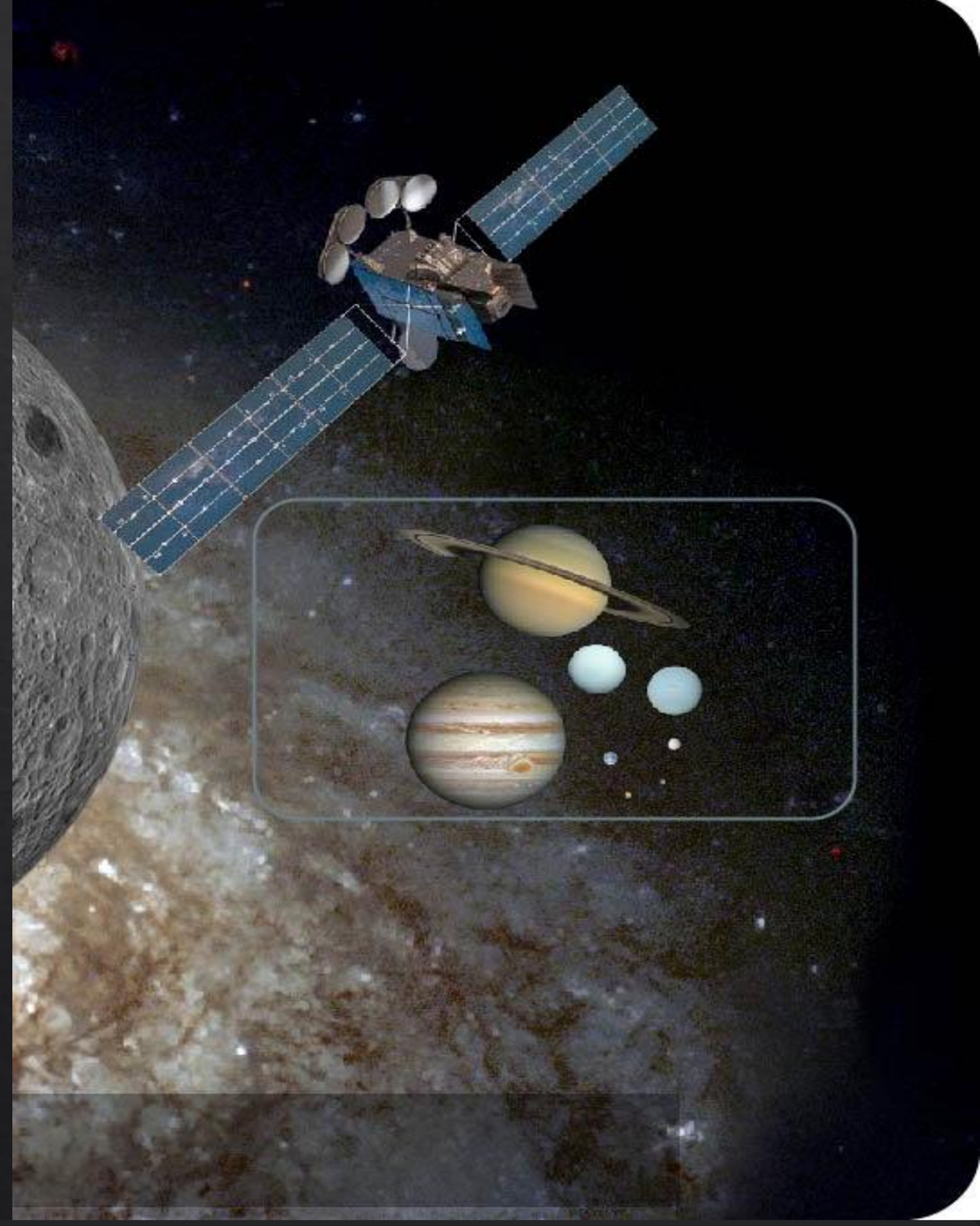
Mission scientists gain faster insights from ongoing surveys, enabling real-time discovery prioritization and resource allocation.

Educational Institutions

Universities worldwide can access advanced classification tools, democratizing exoplanet research capabilities.

Future Missions

Automated systems support next-generation telescopes like James Webb, maximizing scientific return on investment.



What took expert teams weeks of careful analysis now takes our system minutes to classify with confidence

Why Our Approach Wins

Proven Data Foundation

Built on 20 years of validated classifications from successful space missions

Dual-Model Architecture

CatBoost + XGBoost ensemble delivers robust, accurate predictions with built-in redundancy

Intelligent Classification

Three-tier system includes candidate category for nuanced scientific investigation

Mission Agnostic

Cross-platform compatibility works across Kepler, TESS, K2, and future telescope data

From Proof-of-Concept to Universe-Scale

1

Phase 1: Validation Complete

Model proven on historical datasets with exceptional accuracy metrics

2

Phase 2: Real-Time Integration

Deploy with ongoing TESS and future mission data streams for live classification

3

Phase 3: Next-Generation Expansion

Scale to James Webb Space Telescope and upcoming exoplanet survey missions

4

Vision: Industry Standard

Become the global classification tool for automated exoplanet discovery

Our roadmap transforms decades of human expertise into tools that accelerate the next era of cosmic discovery.

Join Us in Discovering New Worlds

Smart Telescope Team | Revolutionizing exoplanet discovery through AI

Paul Wako

Simon Walaka

Lynn Kathomi

David Momanyi