

# Muhammed Ali Onurlucan

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Ankara, Turkey

## EDUCATION

**Middle East Technical University** 2023–current  
BSc in Mathematics, CGPA: 3.17

## INTERNSHIP / WORK EXPERIENCE

**Galaxy Rocket Team** – Team Member 2025–current  
Developing and analyzing mathematical models related to flight dynamics and propulsion systems using MATLAB/Simulink.

**PREPTTEST** – Question Writing and Exam Preparation 2023–current  
Preparing and editing exam questions for AP Calculus, SAT, Tolc, and Bocconi on the Preptest platform.

## ACADEMIC ACTIVITIES

**Higher Structures Seminar, Kadri İlker Berktav** October 2025  
Attending weekly seminars on advanced topics in higher category theory.

**Turkish Mathematical Society (TMD)** – Member 2025–current  
Active member of the national society promoting mathematical research, education, and collaboration in Turkey.

**The Nesin Mathematics Village** August 2024  
Participated in intensive mathematics lessons on Surreal Numbers and Axiom of Choice.

## PROJECTS

**CS50P: Introduction to Programming with Python** 2023  
Developed a password manager for secure password handling. Source code and documentation available on GitHub.

## CERTIFICATIONS & COURSES

**PHYS-209-ENx: Introduction to Astrophysics** August 2024  
Explored celestial mechanics, galactic structures, and observational techniques.

**ANU-ASTRO1x: Greatest Unsolved Mysteries of the Universe** December 2024  
Studied stellar evolution, black holes, and cosmology.

## SCHOLARSHIPS

**TÜBİTAK 2205 – Undergraduate Scholarship Program** 2022–current  
Awarded a national scholarship recognizing academic excellence and potential in STEM fields.

## SKILLS

**Programming & Tools:** Python, MATLAB/Simulink, LaTeX, Git/GitHub, Wolfram Mathematica  
**Languages:** Turkish (Native), English (Fluent)