Muhammed Ali Onurlucan

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Ankara, Turkey

EDUCATION

Middle East Technical University   2023–current
BSc in Mathematics, CGPA: *3.05*

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.

PREPTEST – 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
Attended 3 sessions 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)