

# Ömer Faruk KUŞÇU

Mamak, ANKARA

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## EDUCATION

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**Bestepe College, Turkey** (Fully-Funded Scholarship)

September 2021 - Present

*(received a full scholarship based on my outstanding performance in the LGS (National High School Entrance Exam), ranking in the top 1% of all participants.)*

**Curriculum:** Turkish National Curriculum & A Level and IGCSE Diploma Program

**Cumulative GPA:** 96.80 out of 100.00 (National Courses)

**Standardized Tests:** IELTS ???

**SAT:** SAT???

## Academic & Technological Achievements

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•**Caribou Mathematics Competition – World Champion (Rank #1 Globally)**

*Achieved first place with the highest score in this prestigious international mathematics contest, competing against thousands of students worldwide.*

•**DENEYAP Technology Workshops (T3 Foundation) – Selected Nationwide**

*Qualified for a competitive 3-year advanced tech program (2022) after scoring 93% on rigorous exams. Coursework includes Electrical-Electronics, C++ Programming, Nanotechnology, and Cybersecurity.*

•**Duke of Edinburgh's International Award – Bronze Level**

*Completed all 4 key criteria (skill development, physical fitness, volunteering, and wilderness expedition), demonstrating leadership and resilience.*

## Competition & Awards

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•**METU HBEC (High School Business & Engineering Competition) – 3rd Place**

*National finalist with an award-winning engineering-based creative design solution.*

•**Shell Eco Marathon Turkey – Qualifier for France Finals**

*Achieved national success in energy-efficient vehicle design, earning an invitation to the international finals.*

•**NASA Space Apps Challenge – Team Participant**

*Competed in this global NASA-supported hackathon with an innovative technology project.*

## First Robotics Team #8795 - Chaotics

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•**Served as team captain of FRC Team Chaotics 8795 for two consecutive years.**

•**Led the team to win the following national and international awards:**

- Rookie Inspiration Award - Bosphorus Regional (2022)
- Creativity Award - Pendik Off-Season (2022)
- Team Sustainability Award - Bosphorus Regional (2023)
- Gracious Professionalism Award - Bosphorus Regional (2024)
- Judges' Award - Ankara Regional REEFSCAPE (2025)

## Leadership & Social Activities

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•**YGA (Young Guru Academy) Summit Participant:** *Took part in leadership and social impact activities at the 2023 summit held at Zorlu PSM*

•**President of Bestepe College Robotics Community:** *Served as president for two consecutive years. Provided technical leadership to 100+ elementary, middle, and high school students. Built a sustainable community structure by mentoring junior leaders.*

•**Ankara Metropolitan Municipality Children's Council:** *Served one year as Council Secretary and one year as Committee Chair during middle school*

## Technical Proficiencies

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- **CAD & CAM:** *SolidWorks (3D modelling), ArtCAM/SolidCAM (CAM programming), CNC Machining (3-axis)*
- **Electronics & Control:** *Circuit prototyping, PCB design (Eagle/KiCad), Arduino & Raspberry Pi programming, oscilloscope & multimeter use*
- **Software & Automation:** *C++ (advanced), Python scripting, MATLAB/Simulink*
- **Manufacturing & Assembly:** *Arc welding, 3D printing, mechanical part design & assembly*
- **Project Management:** *Team leadership, budget planning, engineering design process (requirement → prototype → test → iterate)*

## Languages

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- **Turkish** (*Native*)
- **English** (*Fluent*)
- **Chinese** (*beginner – HKS 1*)

## Mentorship & Team Achievements

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- FTC Team 25564 – Middle Chaotics: Served as an active mentor for the rookie team.
- Led the team to rank among Turkey's top 3 teams, earning an invitation to the FTC European Premier Event 2025 in the Netherlands.
- Spearheaded technical development in software, mechanical design, and strategy, enhancing team capabilities. Team received award nominations for:
  - Engineering Notebook Excellence Award
  - Community Outreach Initiatives Award
  - Outstanding on Field Performance Award