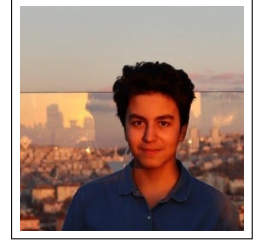


DOST SEFEROĞLU

TÜBİTAK Fen Lisesi — High School Student (2021-2026)

[LinkedIn Profile](#)



Education

TÜBİTAK Fen Lisesi

High School Student (2021-2026)

LGS 2021 (High School Entrance Exam) – Full marks, top 100 among 1M+ candidates.

Experience & Projects

Unmanned Underwater Vehicle – Team GÖKÇEL

Finalist, TeknoFest 2022

- Designed **PID control system** for an **Unmanned Underwater Vehicle (UUV)** using **MATLAB Simulink**.

Internships at TÜBİTAK

TÜBİTAK BİLGEM B3 Labs & TÜBİTAK UEKAE Cryptology Unit

- Completed **2.5 years** of internships in **cryptology** and **computational sciences**.
- Gained experience in security algorithms and encryption methods.

Randomly Arranged Tree (RAT)

TÜBİTAK 2204A National Project Competition

- Designed an **efficient associative array** called the **Randomly Arranged Tree (RAT)**.
- Wrote a research paper on RAT, submitted to **TÜBİTAK 2204A National Project Competition**.
- GitHub: <https://github.com/Dost22/RDA>

Training & Development

Algorithms and Code Training School (ACTS) by JetBrains and Constructor University

- **ACTS 2024**, Braşov, Romania – Training in **algorithms, mathematics, and machine learning**.
- **ACTS 2025 Winter**, Belgrade, Serbia – Further training in **competitive programming and AI**.

JetBrains Youth AI Club

- Active participant in **Deep Learning** and **GPT models** training.
- Participated in AI competitions and projects.

Peer Learning & Teaching

- Conducted **10 sessions** on **Machine Learning** and **Deep Learning** for **20-30 students**.

Skills & Technologies

Programming Languages: C++, Python, MATLAB

Machine Learning & AI: TensorFlow, PyTorch

Control Systems & Simulations: MATLAB Simulink, PID tuning

Competitive Programming & Algorithm Design: Data Structures, Algorithms

Mathematics: Number theory, combinatorics, graph theory

Awards & Achievements

Informatics Olympiads

- **Silver Medalist**, Balkan Olympiad in Informatics/Italy (BOI) 2025
- **Participant**, International Olympiad in Informatics/Bolivia (IOI) 2025
- **Bronze Medal (unofficial)**, Asia-Pacific Informatics Olympiad / Uzbekistan (APIO) 2025
- **Gold Medalist**, 32nd TÜBİTAK National Science Olympiad (Informatics)
- **Bronze Medalist**, 31st TÜBİTAK National Science Olympiad (Informatics)
- **Participant**, Asia Pacific Informatics Olympiad (APIO) 2024

Mathematics & Combinatorics

- **Finalist**, Iranian Combinatorics Olympiad (ICO) 2024 (Only team from Türkiye)
- **Silver Medalist**, JetBrains Youth Challenge Math Track 2024

Competitive Programming

- Achieved **Master Rank** on **CodeForces** (Top 1.5% globally)
- **Problemsetter**, AlgoLeague (Algorithm and deep learning camp organizer)

Other Recognitions

- **TeknoFest 2022 Finalist**
- **Absolute Winner**, Kanguru Language Contest (KGL) 2023 B2 Division
- **Organizer & Problemsetter**
- **IELTS Band 8**

Contact

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