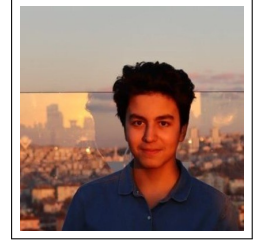


# DOST SEFEROĞLU

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

[LinkedIn Profile](#)



## Education

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### TÜBİTAK Fen Lisesi

*High School Student (2021-2026)*

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

## Experience & Projects

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### 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>

## Competitive Programming & Mathematics

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### Informatics Olympiads

- 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).

## Training & Development

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### Algorithms and Code Training School (ACTS)

- **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

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**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 & Recognitions

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- **TeknoFest 2022 Finalist**
- **TÜBİTAK Informatics Olympiad Gold & Bronze Medals**
- **Iranian Combinatorics Olympiad Finalist**
- **JetBrains Youth Challenge Silver Medalist**
- **Master Rank on CodeForces**
- **Absolute Winner**, Kanguru Language Contest (KGL) 2023 B2 Division
- **Organizer & Problemsetter**

## Contact

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