

# BASAR DEMIRBAS

International Student

demirbasbasar@gmail.com

demirbas@stanford.edu

www.trempts.com.tr

## **Profile Summary:**

I am an enthusiastic software developer and aspiring engineer with a deep interest in mechanics, electronics, computer science and **Aerospace Engineering**. My fascination with building and designing started early—playing with Legos and exploring computers—and those experiences continue to drive me to explore new challenges and innovate.

Currently in my final year of high school at St. Anthony Catholic High School in San Antonio, USA, I am focused on developing strong foundations in STEM fields. I have pursued rigorous academic and extracurricular programs, including the Stanford Summer Session, where I completed courses like Programming Methodology (CS106A), How We Build on Mars (CEE111), and An Intro to Making: What is Electrical Engineering (ENGR40M), and the Inspirit AI Program where I worked on AI, data analysis, and computer vision projects with a social impact.

I believe in continuous learning, creative problem solving, and using technology for humanitarian benefit—especially in helping underrepresented or disadvantaged groups. My long-term goal is to design and develop advanced, sustainable technologies and infrastructure that contribute to a healthier, more livable future for all.

## **Education Life:**

- **Stanford University** — *Summer Session* (June 2025 – August 2025)

Courses taken:

- CS106A – Programming Methodology
- CEE111 – How We Build on Mars
- ENGR40M – An Intro to Making: What is Electrical Engineering

Completed three official Stanford University courses for credit

- **University of the Incarnate Word - *Dual-Credit Courses***

Courses taken:

- **Fall 2025:** Game Engines

- **Spring 2025:** Cybersecurity

- **St. Anthony Catholic High School**

San Antonio, USA (Aug 2024 – May 2025)

Activities: National Honors Society (Member & Tutor)

Global Ambassador

Co-President of the International Students Club

Captain of the CyberPatriot Team

Starting Player, Varsity Soccer Team

Mu Alpha Theta (Member & Tutor)

- **Southside High School**

San Antonio, USA (Sep 2023 – May 2024)

- **Çanakkale Doğa Science High School**

Çanakkale, Turkey (2022 – 2023)

- **Hüseyin Akif Terzioğlu Secondary School**

Çanakkale, Turkey (2018 – 2021)

Received: Certificate of Honor

## **Experience:**

### **Artificial Intelligence Program @ Inspirit AI**

(2025)

Completed an intensive AI program taught by Stanford and MIT alumni, covering topics such as machine learning, natural language processing, and computer vision. During the program, I developed projects with a social impact focus, applying AI to support underserved communities. Strengthened my Python programming and data analysis skills while learning how to transform theoretical AI concepts into real-world solutions.

### **Software and Game Development @ Troia Studio**

(2023)

I participated in a training and internship program in software design and development. I gained practical experience in game design and project work based on basic software configuration.

### **STEM / Ferrari Training @ Enzo Ferrari Facilities**

Italy (2023)

As part of an international training program, I received training on high-performance vehicle engineering and broader STEM topics.

### **t-MBA Leadership Summit Training**

Doğa College (2022)

Participated in workshops on leadership development, organizational behavior, innovation, teamwork, and strategic thinking.

## **Projects:**

### **Exoplanet Detection with NASA Kepler Data @ Inspirit AI**

(Mar 2025 – May 2025)

Used NASA's Kepler telescope data to detect exoplanets via transit photometry. Tasks included analyzing light curves, building a classification model (machine learning), and exploring how AI methods can contribute to space exploration and astrophysics.

### **t-MBA Vocational Observation Study (Semester Internship)**

(Jan 2023 – Feb 2023)

Within Doğa College's t-MBA curriculum, I spent a semester internship producing a software game at Troia Studio Software Development. This project enhanced my skills in software design, Java Coding and understanding user needs in vocational contexts.

### **TÜBİTAK Çanakkale Robotic Coding**

End of Year Performance Show (Feb 2021 – Jan 2022)

A combined software and hardware project aimed at helping visually impaired individuals recognize shapes and objects by touch. The system detects shapes via sensors or touch input, then the software identifies or describes the shapes — enabling users to understand what they are touching. This project was exhibited at school and honored with a Certificate of Honor.

## **Volunteering & Community Engagement:**

### **Junior Developer & Community Member — DEVSA**

(Oct 2024 – Present)

Help organize events, connect with new people, assist in spreading tech & innovation awareness; contribute to fostering positive change in the local and international community.

Helped organize events reaching 200+ participants; connected international developers with local students.

### **Texas State Representative Campaign**

San Antonio & Austin, USA (2024)

I joined campaign activities where I made phone calls, walked blocks, and talked to people. I also visited

the Texas Capitol Building and saw how the campaign process worked.

### **Southside Baptist Church**

San Antonio, USA (2024 – Present)

I volunteered every Wednesday and Sunday at church. I helped in programs that gave food, support, and care to the elderly and people in need.

### **Youngest Developer Member — Google Developer Groups**

Çanakkale, Turkey (Nov 2022 – Aug 2024)

Participated in local developer group activities; supported tech talks, workshops, mentoring younger peers, and community building through science and technology.

Organized workshops for 100+ attendees, supported developer community, youngest official member

## **Skills & Softwares:**

### **Programming & Technical:**

- Python, AI – Advanced
- JavaScript – Intermediate
- Java – Intermediate
- HTML, CSS – Advanced

## **Hobbies & Sports Interests:**

- 2 –Star Professional Scuba Diver:  
I completed the required dives to earn my CMAS 2-Star certification, allowing dives up to 40 meters worldwide.
- Licensed Sailing Athlete  
I sailed professionally for two years and participated in competitions.
- Expeditions by bicycle
- Keeping exotic animals in terrariums
- Creating new worlds with Legos