



Belkis Akaichi

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Home: Istanbul (Türkiye)

ABOUT ME

Highly motivated Mechanical Engineering student with hands-on expertise in CAD modeling, rapid prototyping, manufacturing, and data-driven programming. I focus on optimizing energy and mechanical systems to deliver innovative, efficient, and sustainable solutions. As an analytical thinker and effective leader, I am eager to apply my technical creativity to cutting-edge automotive, mobility, and energy projects through a competitive summer internship.

WORK EXPERIENCE

Tunisair Technics – Tunis, Tunisia

City: Tunis | Country: Tunisia

Mechanical Engineering Technician Internship

[01/08/2025 – 29/08/2025]

Assisted in inspection, maintenance, and repair of 9 aircraft mechanical systems, gaining hands-on exposure to engines, hydraulics, and structural components. Applied mechanical engineering principles to support reliability and performance in a professional aviation environment.

EDUCATION AND TRAINING

Mechanical Engineering

Dogus University [02/09/2024 – Current]

City: Istanbul | Country: Türkiye | Level in EQF: EQF level 6

Mathematics Baccalaureate

Pioneer High School Beyram5 of Menzah8 [15/09/2019 – 14/06/2023]

Country: Tunisia | Level in EQF: EQF level 4

PROJECTS

[01/10/2024 – 21/09/2025]

Teknofest Rocket Project (A2 Category) Worked on the engine section for the A2 category Teknofest 2025 rocket competition at Atatürk Airport with my university team, focusing on thrust analysis, engine performance, and control simulations using MATLAB/Simulink and CFD tools.

[03/02/2025 – 27/06/2025]

Thermoelectric Cooling System Virtually designed a JWST-inspired Peltier-based cooling system using SolidWorks and ANSYS, analyzing thermal efficiency across temperature ranges of 100 K to 300 K.

[15/02/2022 – 31/08/2022]

Research in Physics (Optics in Astronomy and the use of Telescopes) Research for “Cambridge University Summer Program,” which won me a partial scholarship to Cambridge University for a summer program in advanced physics.

[01/07/2022 – 31/08/2022]

Drone Project Designed and simulated a compact drone with a lightweight frame under 1 kg using SolidWorks and Arduino, focusing on aerodynamic stability and control.

SKILLS

Fundamental of Artificial Intelligence / programming: Python, MATLAB and SQL / Web Technologies Fundamentals - HTML, CSS / Begginer JavaScript for WebDevelopment / use CAD software / SOLIDWORKS (3D CAD DESIGN SOFTWARE) / Ansys (Basic Proficiency) / Excellent Leadership/Communication / work in a construction team

LANGUAGE SKILLS

Mother tongue(s): Arabic | French

Other language(s):

English

LISTENING C2 READING C2 WRITING C2
SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Turkish

LISTENING C1 READING C1 WRITING C1
SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

German

LISTENING B1 READING B1 WRITING B1
SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

MANAGEMENT AND LEADERSHIP SKILLS

President PTB club (Physics, Technology & Bilogy)

Founder and president of PTB club, a scientific club in my high school.

[06/10/2025 – Current]

Dogus Mechanical Engineering Club

One of the founders and the Media Responsible.