

Gökberk ÇELEBİ

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SUMMARY

Bioengineering undergraduate currently gaining hands-on experience in nanobody production and protein engineering through research lab work. Driven by a strong interest in protein design and production for therapeutic applications. Seeking internships to further develop hands-on expertise in protein engineering and contribute to the development of next-generation biologics.

EDUCATION

Izmir Institute of Technology

Bachelor of Science in Bioengineering

September 2023 – Present

- GPA 3.4 / 4.0

EXPERIENCE

Undergraduate Researcher

January 2026 – July 2026

TÜBİTAK – IZTECH

- Conducting research on antibody engineering under Asst. Prof. Hümeysra Taşkent Sezgin within the TÜBİTAK 2247-C STAR Program, focusing on nanobodies targeting HIV-1 capsid proteins.
- Hands-on experience in recombinant protein expression, Ni-NTA & ion exchange chromatography, SDS-PAGE & UV characterization and PCR applications.

ACTIVITIES

President of the Sub-Aqua Society

June 2025 – June 2026

IZTECH Sub-Aqua Society

- Managing operations for a 200+ member society — dive trips, seminars and outreach projects — while designing and facilitating SCUBA courses for new members.

Chairperson of EMBS

September 2024 – September 2025

IEEE IZTECH Student Branch

- Elected Chairperson of IEEE IZTECH Engineering in Medicine and Biology Society, organized student-led technical trips, trainings and seminars reaching 100+ attendees.

SKILLS

Technical Skills: Recombinant Protein Expression, SDS-PAGE & UV Absorbance Characterization, PCR, Chromatography (Ni-NTA, Ion exchange, Size Exclusion)

Software Skills: Fusion 360, ANSYS, Basic Python, Microsoft 365 Suite, Adobe Suite

Interests: Diving (CMAS** SCUBA Diver), Photography, Piano, Archery, Lindy Hop/Swing Dances

LANGUAGES

English

Advanced

Turkish

Native

HONORS

TÜBİTAK STAR Scholar

Jan. 2026

High Honors

Spring 2026

High Honors

Fall 2025

Honors

Fall 2024

PROJECTS

smartepitope.gkcelebi.me

March 2026

SmartEpitope — Epitope Discovery Platform

- Developed a personal bioinformatics project exploring potential binding sites on viral antigens (SARS-CoV-2, SARS-CoV-1, Influenza A) by combining entropy-based conservation scoring with Meta's ESM-2 protein language model.
- Compared model predictions against IEDB epitope records using IoU metric and integrated Mol* for 3D structural visualization.

htsptidelab.com

February 2026

Peptide & Protein Engineering Research Group

- Developed and currently maintain the official laboratory website using HTML5, CSS3 and JavaScript to showcase research projects, publications and the team.
- Built a dynamic "Peptide Playground" that translates users' names into peptides, utilizing RDKit and Mol* for real-time 2D structural drawing and 3D coordinate modeling directly in the browser.

PROFESSIONAL PROGRAMS

Program Participant | Novartis - Possible With You

January 2026 – Present

- Selected as 1 of 100 from 1,000 applicants for an 8-month Novartis Türkiye & Bilim Virüsü program.
- Developing skills in career readiness, mentorship, and professional identity building.

Program Participant | AstraZeneca Inclusion School

December 2025 – June 2026

- Selected as 1 of 50 university students nationwide for a 6-month DEI-focused program.
- Training in inclusive leadership, gender equality, bias awareness, and social impact design.

CERTIFICATIONS

Autodesk 360 Certification, Autodesk

Molecule to Market Job Simulation, Pfizer UK

Robotics and Controls Job Simulation, Johnson&Johnson MedTech