

M.Sc. student in Computer Engineering specializing in Bioinformatics. Focused on utilizing experience in *full-stack development* and *database management* to create innovative solutions in metabolomic data analysis and computational biology.

### EDUCATION

<b>M.Sc. in Computer Engineering</b> , Istanbul Technical University	2025 - Present
<b>B.Sc. in Computer Engineering</b> , Namik Kemal University - 3.26	2021 - 2025
<b>B.Sc. in Management Information Systems</b> , Anadolu University (Distance Education) - 3.25	2021 - 2024

### HONOURS

- Scored 91.54 out of 100 at ALES in 2021.
- Scored 91.25 out of 100 at YÖKDİL at 2023.

### SKILLS

<b>Computational Sciences &amp; Data Analysis</b>	Bioinformatics Algorithms, Metabolomic Data Analysis, Machine Learning (Scikit-learn, COBRAPy), Data Processing (Pandas, NumPy), Data Visualization (Matplotlib, Seaborn)
<b>Programming Languages</b>	<b>Advanced:</b> Python, JavaScript/TypeScript, SQL, Dart <b>Intermediate:</b> PHP, C# <b>Basic:</b> C
<b>Technologies &amp; Frameworks</b>	<b>Web:</b> React.js, Node.js, Next.js, Laravel <b>Mobile:</b> Flutter, React Native, .Net MAUI
<b>Databases &amp; Cloud</b>	<b>Databases:</b> MySQL, NoSQL (Firebase Firestore) <b>Cloud &amp; DevOps:</b> AWS, Docker, Firebase
<b>Tools &amp; Operating Systems</b>	Git, Linux (Pop!_OS, Ubuntu), LaTeX

### TECHNICAL EXPERIENCE

<b>Researcher and Teaching Assistant (Turkcell Scholar) / ITU</b>	February 2026 - Present
<ul style="list-style-type: none"><li>Conducting academic research on bioinformatics and metabolic network analysis under the supervision of Assoc. Prof. Ali Çakmak.</li><li>Fulfilling teaching assistant duties for undergraduate Computer Engineering courses and laboratory sessions, and supporting assignment and project evaluation processes.</li></ul>	
<b>M.Sc. Project Researcher / TUBITAK</b>	September 2025 - February 2026
<ul style="list-style-type: none"><li>Actively participated in the project titled "(Micro)RNA-Based and Computational Approaches in the Diagnosis, Prognosis, and Treatment of Alzheimer's and Dementia."</li><li>Conducted data analysis and modeling studies using bioinformatics algorithms within the scope of the project.</li></ul>	
<b>Intern / COMSIS Bilgisayar Ltd. Sti.</b>	July 2025 - August 2025
<ul style="list-style-type: none"><li>Supported the maintenance and development processes of e-commerce platforms developed using PHP.</li><li>Made user interface (UI) improvements in accordance with web design principles.</li></ul>	
<b>Intern / Haroon Technology</b>	March 2025 - May 2025
<ul style="list-style-type: none"><li>Contributed to the development of a PHP-based Customer Relationship Management (CRM) system.</li><li>Wrote database queries using SQL and took part in database management processes.</li></ul>	

### PROJECTS

#### Artificial Intelligence & Web Platforms

- Customized AI Chatbot (UN.GPT & kuran.stackia):** (React, Next.js, AWS, MySQL) Designed and developed an end-to-end AI chatbot and web interface based on the OpenAI API, operating with a specific knowledge base.

#### Mobile Application Development

- Terat - Match Organization Platform:** (Flutter, Dart, Firebase) Developed a comprehensive mobile application utilizing a real-time database that allows users to form teams and organize matches. This project is part of a broader mobile application portfolio, including finance tracking, product comparison, and personal data tracking, developed with Flutter and React Native.

(533) 767 1624  
Beylikdüzü, Istanbul  
malierdgnn@gmail.com

# Mehmet Ali Erdoğan

## M.Sc. Student in Computer Engineering

Portfolio:  
[github.com/MaliErdgn](https://github.com/MaliErdgn)  
[linkedin.com/in/malierdgnn](https://linkedin.com/in/malierdgnn)

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### ACTIVITIES

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#### Workshops, Seminars, and Conferences

- TUSEB - Dokuz Eylul University Izmir Genome Workshop - 2025
- HIBIT / RSG - 18th International Symposium on Health Informatics and Bioinformatics - Best Presentation Award - 2025