Mert Hamza Yılmaz

Istanbul,Turkey/Famagusta,Cyprus • [My University Mail](#) | [My personal and Work Mail](#)• [Whatsapp](#) /+90 (533) 888 2445

• [Linkedin](#) | • [My portfolio](#) • [Medium My Tech Articles](#) •[My Github](#)

Education

Middle East Technical University	Famagusta/Ankara,Cyprus/Turkey
Bachelor of Science in Software Engineering	Graduation Date
Turkey's Top Ranked University	October 2027

Relevant Courses: Systems Programming, AI Applications, Software Design, Algorithm Development

Language of Instruction: English

Study Abroad Cyprus	Famagusta, Cyprus
Study abroad coursework in campus Exchange METU NCC	Jun 2022 | Still Enrolling

Universidad de Sevilla	Sevilla/Spain
Curso De Crédito / Credit Courses (Software Engineering)	Graduation Date
Relevant Courses: Machine Programming, A and B product analys, Software Design	October 2026

High School Name	
Erkut Soyak Anatolian High School /TUBITAK (STEM projects)	Graduation Date
	October 2021

Experience

Momentus Gemmae	Dubai, BAE
Founder & CEO	*Feb 2020 – Present*

- Launched and scaled **a jewelry-tech** brand combining emotional design with digital storytelling
- Directed product development **lifecycle including branding**, e-commerce strategy, and marketing
- **Applied UX and design engineering** to enhance customer engagement and brand identity
- Delivered custom product collections **generating early traction** in niche markets

Microsoft	*Remote (Redmond, WA,USA)*
Remote Software Development Intern/Tester	*Jun 2022 – Jul 2022*

- Developed code modules for simulated enterprise applications using Microsoft tools
- Collaborated with **virtual engineering teams** to address real-world case challenges
- Completed milestone projects **involving data handling**, reporting, and cloud environments
- Demonstrated proficiency in **teamwork and agile-based task delivery**

Turkcell	*Istanbul, Turkey*
	Dec 2023 – May 2024

- Assisted **over 300+ customers with tech product** consultations and package upgrades
- Executed targeted upselling strategies, increasing store conversion rates by 15%
- Managed **in-store demos and guided clients** on product features and digital services
- Strengthened interpersonal **communication and negotiation** in high-pressure environments

Scouting and Guiding Federation of Turkey	*Istanbul, Turkey*

Youth Leader *Jun 2013 – May 2025*

- Facilitated youth leadership programs for **100+ participants annually**
- Designed and implemented community **service projects** promoting environmental awareness
- Led **weekend expeditions and team-building workshops** to develop life skills

European Union Delegation to Turkey *Remote (Brussels,Belgium)*
Cultural Projects Volunteer *Mar 2022 – Present*

- Supported **cultural diplomacy events as part of EU** youth outreach and communications
- Handled **logistics, digital coordination, and promotional** content development
- Acted as a youth representative at **virtual conferences** and cultural dialogues

T3 Foundation *Istanbul, Turkey*
Volunteer Trainer *Jun 2020 – Present*

- Delivered **STEM-based educational modules** to high school students in underserved communities.
- Coached student teams in national technology competitions and project showcases.
- Created interactive workshops on robotics, **software logic, and innovation thinking.**
- Promoted equal access to technology education and hands-on engineering skills.

Patika Global Technology Inch *Istanbul, Turkey*
AI Software Engineer Intern *Jun 2025 – Present*

- Created data preprocessing pipelines for cleaning and transforming big datasets in training and evaluation.
- Extracted insights from unstructured **text data by applying NLP algorithms**.
- Cooperated with senior engineers to **deploy AI models** in production environments.
- Applied computer vision methods to detect and categorize visual patterns from image data.
- Conducted **A/B tests**; evaluated model performance to **maximize accuracy and diminish bias**.
- Conducted research and experiments on **generative AI techniques aimed** at upgrading preexisting.
- Used reinforcement learning to increase the efficacy of **decision-making algorithms**.

Projects

- **Machine Learning App** – **TypeScript** – 2025
- **Tweet Analysis App** – **JavaScript** – 2025
- **User Retention Analysis** – **Python & SQL** – **Product Analytics** – 2024
- **A/B Testing Simulation** – **Python & Excel** – **Product Insights** – 2025
- **Market App** – **TypeScript** – 2025
- **Task Manager**– **JavaScript** – 2025
- **React BMI** – **JavaScript** – 2025
- **Fastfetch** (**Forked**) – C – 2025
- **AI Engineer Toolkit** (Forked) – TypeScript – 2025

Certifications

- Innovating with Google Cloud AI – **Google DeepMind** – May 2025
- Responsible AI: Applying AI Principles with Google Cloud – **Google** – May 2025
- Greedy Algorithms, Minimum Spanning Trees, and Dynamic Programming– **Stanford University** – Apr 2025

- CS50's Introduction to Computer Science – **Harvard University** – Mar 2024
- Python Essentials 1 and 2 – **Cisco Networking Academy** -May 2025
- Practical Computer Vision with PyTorch -**Hasso Plattner Institute** -May 2025

Tech Articles

- *Baykar's KEMANKEŞ 1 & 2: AI-Powered Mini Cruise Missiles* analyzing UAV autonomy
- Explored swarm robotics in *Swarm Intelligence in Autonomous Drone Systems*
- Proposed cross-disciplinary roles for coders in *From Code to Compost* for agritech applications

Skills & Interests

- Programming: Python, C, HTML/CSS, TI-Basic
- **Tools**: Git, Figma, Canva, VS Code
- **Concepts**: Embedded Systems, UI/UX, AI, Product Prototyping, ML in Healthcare
- **Language**: Turkish (Native), English (Fluent), German (Basic Working Proficiency)
- **Interests**: Smart Cities, Dual-Use Defense Technologies, Sustainable Agriculture, Drone Systems, Technoparks