

# OGUZHAN SINIK

Bristol, United Kingdom

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## EDUCATION

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### University of Bristol

Sep 2025 – June 2028

BSc Computer Science

Entrepreneurship Society — Planning Events & Hackathons

Independently completed *Applied Deep Learning (Year 4 level)* with faculty mentorship.

Beginner Level Tennis Player & Intermediate Level Kayaking

### Ankara Atatürk High School

Sep 2020 – June 2025

President, Mechatronics, Aviation, and Robotics Club

Co-Founder, ATAROKET Rocketry Team

Three-time recipient of the Certificate of Honor for academic and extracurricular excellence.

### University of Michigan, Ann Arbor

July 2024

*LaunchX Entrepreneurship Program*

Founded a startup with international peers; awarded *Best Startup Pitch*.

### Middle East Technical University

Mar 2021 – Apr 2023

*AI4Youth Erasmus+ Project*

Constructed several applied machine learning and deep learning projects using Keras, TensorFlow, Pandas, Numpy, Matplotlib tools under MIT-Alumni, Professor Haluk Tanrikulu getting his recommendation letter.

Completed the following lectures: Python Programming I-II, Linear Algebra I-II, Introduction to Statistics, Introduction to Probability, Machine Learning and Deep Learning, Machine learning with Python.

## EXPERIENCE

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### ColAI

Nov 2025 – Present

*Co-Founder*

*London, UK*

- Planning ten year ahead's workplaces developing agentic knowledge base platform designed as a Product Lifecycle Management tool for engineering teams, converting tacit knowledge into structured, persistent assets.
- Currently in communication with multiple investors for potential raise rounds in near future. See more at [colai.co](https://colai.co).

### Decorist

June 2025 – Present

*Founder / Software Engineer*

*Ankara, Turkey*

- Developed and shipped an AI-powered interior design app live on the App Store, enabling room redesigns in seconds.
- Built end-to-end architecture using SwiftUI, FirebaseAuth, Firebase Functions, Supabase, SwiftData, and RevenueCat.
- Designed real-time image generation pipelines focused on personalization, latency reduction, and scalability.

### Podeon

Jan 2025 – June 2025

*Co-Founder*

*Ankara, Turkey*

- Built an AI-driven personalized news podcast platform with automated script generation and audio synthesis.
- Designed a cost-efficient generation pipeline using LLMs and TTS, reducing per-episode cost from \$0.04 to \$0.0025.
- Led product vision, system design, and early-stage experimentation.

### Presidency of the Republic of Turkey

#### Digital Transformation Office

Jul 2023 – Present

*Software Development Intern*

*Ankara, Turkey*

- Selected as one of 24 trainees from 5,000 applicants.
- Contributing to national-scale digital transformation and innovation projects.

### Teens In AI

Nov 2023 – June 2024

*Local Ambassador & Lead Organizer*

*Ankara, Turkey*

- Organized Turkey's first Teens in AI Techathon (IWD 2024), leading logistics, partnerships, and execution.
- Awarded *Community Impact Award* among 108 global ambassadors.
- Featured in national media for technical and organizational leadership.

## ATAROKET

Co-Founder / Team Leader

Oct 2021 – Dec 2023

Ankara, Turkey

- Co-founded a high-power model rocketry team; built and launched two rockets from scratch.
- Led avionics systems, integrating software and electronics.
- Broke the fastest assembly record of history, Achieved multiple 1st-place awards at Teknofest Rocketry Competition.

## Togiy

Founder / Mobile Developer

Sep 2020 – Jan 2023

Ankara, Turkey

- Developed and published a productivity-focused mobile application. Reached 4,000+ users and over 1M impressions.
- Built using Java, Android Studio, and Adobe XD.

## SELECTED PROJECTS

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### JupyPaper

2026

AI Research-to-Notebook Converter

- Desktop application that ingests a research paper PDF and transforms it into a fully executable, educational Jupyter notebook. Reads the paper's methodology, scours related repositories, and generates implementation code alongside explanatory mark-down cells: bridging the gap between research and reproducible experimentation.
- Built with Electron + Next.js 15 + React 19 frontend and a Python FastAPI backend powered by NVIDIA NIM microservices.

### WhyCombinator

2026

Multi-Agent AI Video Pitch Evaluator

- Upload a pitch video to receive independent scoring from a panel of calibrated AI personas — investors, customers, skeptics, and domain experts — that react to each other to produce a synthesised verdict.
- Pipeline combines video transcription, Cosmos VLM visual analysis, Hume AI emotional analysis, and multi-agent orchestration via NVIDIA NeMo Agent Toolkit.

## RESEARCH

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### Multi-Agent Systems Research

Sep 2025 – Present

Co-Author

- Co-authoring a research paper as part of a collaborative team between UCL and EPFL; invited by a lead UCL author to contribute to high-level multi-agent systems work.
- Focusing on a specific industrial application within the MAS framework (confidential).

### Lumiere Education

Jul 2023 – Jan 2024

Student Researcher

Remote

- Full-scholarship researcher in the Individual Research Program.
- Conducted comparative analysis of deep learning-based text-to-speech models (WaveNet, FastSpeech, GANs, Seq2Seq).
- Evaluated speech naturalness using human surveys with 100+ participants.
- Paper under submission: *Transformation to Deep Learning-Based Text-to-Speech Synthesis*.
- Mentored by a CMU PhD researcher; publication coaching by Lumiere Foundation faculty.

## MEDIA

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- **TRT Belgesel Documentary** (2024) — Featured as co-founder and main narrator of ATAROKET's journey in a nationally broadcast documentary on Turkish public television.
- **TRT Radio Programme** (2024) — Appeared on TRT (Turkish Radio and Television Corporation) to discuss technology and entrepreneurship.
- **National Media Coverage** (2024) — Featured across national Turkish outlets for organising Turkey's first Teens in AI Techathon and winning the Community Impact Award.
- **Selected by the Ministry of Education** (2023) — Represented all Turkish students at the Presidential Complex during the 100th-anniversary reception of the Republic of Turkey. Meet with Turkey's leaders including President Erdoğan.

## PRESENTATIONS

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- Şinik, O. (2023). *A Survey of Creating Human-Like Virtual Voice Assistants*. Poster presented at the Southern California Section of the American Chemical Society High School Virtual Research Symposium.