



Bacsur Dániel

AI / ML • Builder • Founder

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I believe the biggest opportunities look like bad ideas at first and by the time they make sense to everyone, they're no longer opportunities.

EXPERIENCE

Jul 2021	Won the RoboCup Junior World Championship My first-ever robotics competition. Built a fully automated robotic band, and competed against teams from across the globe.
Feb 2022	Founded a Student Business in 9th Grade My first-ever robotics competition. Built a fully automated robotic band, and competed against teams from across the globe.
2023	Built a Bank-Card Sized Cybersecurity Computer An 4-layer 1MHz single board computer that locks sensitive storage based on trusted network proximity — preventing data ex-filtration the moment a device leaves a secure zone. 2nd place, National Science & Innovation Olympiad.
Jan – Apr 2024	Co-developed and Patented the World's First Self-Driving Wheelchair Achieved fully autonomous indoor navigation in under two months and partnered with Europe's largest healthcare manufacturer. Built large action models before they were even a thing. 3rd place, National Science & Innovation Olympiad.
2024	Founded an AI Ed-Tech Startup, Got Acquired at 18 Hungary's first AI virtual teacher, fine-tuned on the national curriculum. Got 5k+ students in the first month, leading to an acquisition by the Hungarian Ministry of Education. 2nd place, National Science & Innovation Olympiad.
Feb 2025 – present	Lead AI Developer, Hungarian Ministry of Education Leading AI development and research, scaling a system for millions of users per month and working with large vector databases.
2025	Trained a Model That Invents Through Recombination Built and trained a state-of-the-art model that can invent new solutions by learning to combine what it already knows into concepts it has never seen before.
Jan 2026 – present	Building an Always-On AI That Acts Without Being Asked Training models for edge inference and intent detection — knowing when to act and when to stay silent. Launching on the App Store in Q2 2026.

EDUCATION

Közgazdasági Politechnikum High school • Budapest • 2020 – 2025
Draper University Startup Incubator • San Francisco • 2024
Budapest University of Technology and Economics University • Budapest • Dropped Out

BACKGROUND

I started learning physics in 2nd grade, competing in contests against kids years older than me.

In 5th grade, I got the opportunity to play the lead role in Billy Elliot — the world's largest children's role — at the Hungarian State Opera House. Three years of 40+ hour weeks taught me more about discipline, pressure, and performing under expectation than anything before or since. I went on to perform in three other musicals, but when the pandemic hit and the stages went dark, I came back to the thing I'd always loved: building.

I'm self-taught, with 6 years of programming experience across 17+ languages.

LANGUAGES

Hungarian — Native

English — Advanced

LINKS

- danielbacsur.dev
- danielbacsur.com
- github.com/danielbacsur
- linkedin.com/in/danielbacsur



7 yo



theatre



robot band



farfler



cypher



olympics

1st place at RoboCup Junior World Championship, EdisonKids, Semmelweis Hack4Cure, JunctionX Budapest, DraperU Web3, Llamaindex GenAI, AWS GenAI, and Vodafone Sustainable Future, GDE-MIT Healthcare. Two-time 1st place at the National Student Project Competition and the NJE Robot Car Programming Competition. Two-time 2nd place and 3rd place at the National Science & Innovation Olympiad. 2nd and 3rd place at the NJSZT Product Competition. Member of MATEHETSZ (Association of Hungarian Talent Support Organizations), MAFITUD (Hungarian Society of Young Scientists), and Science Lead at KutDiák (Research Students Movement).