

RAŞİT İSAOĞLU

Computer Engineer | Istanbul, Turkey

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SUMMARY

Computer Engineering student experienced in full-stack web development, automation workflows, robotics projects, and applied machine learning research. Strong interest in building practical technology solutions, with hands-on work in AI-assisted applications, data privacy research, and interdisciplinary engineering projects.

EDUCATION

B.Sc. in Computer Engineering | Istinye University, Istanbul

sep 2026 - Expected June 2027

PROFESSIONAL EXPERIENCE

Intern | Pwrlink Marketing Agency

mar 2025 – June 2025

- Built n8n automation workflows to streamline marketing operations and reduce manual work.
- Developed a lead-generation system that scraped 5,000+ potential client records and automated outreach using AI-personalized emails.

Volunteer Judge & Coordinator | RoboZone

May 2022 – Present

First Programming and Robotics Olympics for international schools in Istanbul

- Evaluated 200+ student robotics/programming projects across 4 annual competitions, each involving 10–15+ international schools
- Coordinated with organizers and school teams to support event logistics and smooth competition flow.

PROJECTS & RESEARCH

- **Corai:** a full stack website that turns the syllabus into a full course with quizzes using Gemini API for finding the content and generating the quizzes, and a custom PostgreSQL backend. Link : [cor-ai.app](#)
- **NeuroTechTR Website:** Built and deployed a website for a student-led robotics and AI research team.
- **Synthetic Data Privacy Research:** Contributing to PhD research on DP + privacy adversarial synthetic data generation, evaluating GAN and VAE models across 2 datasets and utility metrics such as Accuracy and FID.
- **Pediatric Cardiovascular ML Research:** Istinye XR Lab team member supporting anomaly detection, CT heart scan segmentation, and aorta centerline extraction using Machine learning.
- **Hospital network design:** Built a complete hospital network infrastructure with a main HQ and branch site using Cisco packet tracer, including IP addressing, routing, VLANs, ACL, and inter-site connectivity.
- **Road Safety ML Project & Game:** Built an accident-risk prediction model and an interactive route-safety game.
- **Chip design:** Designed a RISC-V microcontroller SoC with AXI-Lite peripherals, memory subsystem, and a hardware AI accelerator for embedded Micro Speech inference in the TEKNOFEST Chip Design Competition.
- **Medicine cooler box:** Designed and built a portable medicine cooler box controlled by a microcontroller and programmed in Assembly to maintain safe storage temperature for medical items.

SKILLS

Programming: Python, C, C++, SQL, JavaScript, React Native, Assembly

Languages: English, Turkish, Arabic

Links: neurotechtr.com, [cor-ai.app](#), [raod-quiz.streamlit.app](#),

Tools & Technologies: Git, TensorFlow, Unity, Blender, Fusion 360, n8n, Canva

Certifications: Claude 101, Model Context Protocol (Anthropic), Python Pro Bootcamp (Udemy)

Interests: Software development, robotics, AI applications, automation, 3D modeling

ACTIVITIES & AWARDS

Member in Fusion Team - TEKNOFEST 2026 Chip Design Competition | FLL Best Mechanical Robot Award (2021) | FLL Best Team Coordinating Robot Award (2022) | 1st Place in International Schools Python Competition (2021)