
Yunus Emre Balci - CV

Yunus Emre Balci
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Profile

Full-stack developer with experience in web and mobile applications, and a strong focus on AI and machine learning. Built a complete startup MVP as sole technical founder using React Native and Firebase. Experienced in reinforcement learning, language-guided AI agents, and simulation environments (MuJoCo, PyTorch).

Education

BSc in Computer Science, University of Southern Denmark (SDU) 2022–2025 Completed the 6th semester. Received the grade **10** for the bachelor project “*Investigating and Creating Capture the Flag (CTF) Challenges*”.

Work Experience

Part-time Sales Assistant – Telia Jun. 2022 – Apr. 2025

- Sales advisory and customer service at Telia.
- **Customer service:** In-store, live chat, email, and phone calls (cold calls and general customer service).
- Focus on communication, responsibility, and great customer experiences.

Part-time Sales Assistant – Telenor Nov. 2021 – Jul. 2022

- Created great customer experiences through teamwork and friendly service.
- **Customer service:** In-store, live chat, email, and phone calls (cold calls and general customer service).

Sales Assistant – Bilka 2018 – 2021

- Responsible for customer service, cashier duties, and restocking during busy periods.

Selected Projects

- **Website - Frontend and backend development** – Develop websites using React, Node.js, JavaScript, CSS, and MongoDB.
Websites I have built: jamabolig.dk
Demo sites: Demo site for pilea.dk
- **Co-founder and CTO of MyDrive (2025)** - Built an end-to-end MVP vehicle management mobile app (React Native, Firebase) as sole technical founder, integrating Danish vehicle APIs, OCR receipt scanning, price comparison features, and full backend architecture.
- **Antivirus in C++** – developed a simple antivirus program as a learning project.
- **Academic Project** - AI agents are trained to follow language instructions using reinforcement learning.
- **CTF (Bachelor Project)** – created Capture the Flag challenges involving Machine Learning and SQL Injection. Grade: **10**
- **Reinforcement Learning and AI Simulation (ANIMA)** – experimented with simulation and agent-based AI.

Personal Strengths

- Strong problem-solving mindset with the ability to break down ambiguous requirements into concrete, working solutions.
- Fast learner who actively uses modern tools and documentation to adapt quickly in new technical environments.
- Comfortable taking ownership of tasks and delivering high-quality results under time pressure.
- Clear communicator with experience collaborating across teams and handling feedback constructively.

Languages

Danish: Fluent (C2)

Turkish: Fluent (C2)

English: Fluent (C2)

Technical Skills

Core Programming:	Python, JavaScript, Node.js, React Native
AI / Machine Learning:	PyTorch, Reinforcement Learning, Language-Guided Agents, MuJoCo
Systems & Low-Level:	C++, CUDA, Linux (Debian, Ubuntu, Kali Linux)
Developer Tools:	Git, VS Code, JetBrains IDEs (IntelliJ, PyCharm, WebStorm, CLion)
Cloud & Backend:	Firebase, Google Cloud Platform, Microsoft Azure (Student Access)
Interests:	AI Systems, Reinforcement Learning, Cybersecurity, Full-Stack Development