

Kiarash Delavar

Software Engineering Student | Robotics Intern at SMART Lab

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Profile

Software Engineering student at Saxion University of Applied Sciences and Robotics Intern at SMART Research Group working on real robot motion safety challenges using ROS2, MoveIt2, and C++. I combine software engineering with robotics to solve practical problems and build reliable, testable systems. I learn fast, work well in technical teams, and enjoy taking ownership of real engineering tasks. Whether it's robotics, embedded work, or full-stack development, I like turning complex problems into clean, working solutions.

I'm looking for a full-time internship in Software Engineering, DevOps, Full-Stack Development, Embedded Systems, and Robotics, or a part-time job where I can contribute to real projects, improve my skills, and add value from day one.

Employment

Robotics Intern, Smart Mechatronics And RoboTics (SMART) Research Group ✎ 11/2025 – Present

- Improving robot safety using ROS2, MoveIt2, and C++, reducing motion anomalies by 30% by addressing overshooting, sudden acceleration, and trajectory instability, optimizing motion profiles.
- Validating safe robot behavior by building ROS2 test nodes and analyzing real-time logs, running 30+ tests, and collaborating with researchers.

Co-Founder | CEO, Novara ✎ 10/2025 – Present
Deventer, Netherlands

Leading the development of an AI-powered SaaS platform designed to help freelancers and SMEs manage tasks, invoices, and daily operations more efficiently. Responsible for system architecture and full-stack development, turning product ideas into scalable and working features.

Student Assistant, Saxion University of Applied Sciences ✎ 05/2025 – 12/2025
Assisted first-year students with assignments and study questions Deventer, Netherlands

Education

BASc, Software Engineering (HBO-ICT), Saxion University of Applied Sciences ✎ 09/2024 – Present
Activities: Deventer, Netherlands

- 1- Novel-T Entrepreneurial Summer School 2025 (Tweente University) ✎
- 2- Member of Honours Community ✎
- 3- Academic engineering projects (Github portfolio) ✎
- 4- E³UDRES² Intensive Programme Design Thinking & Prototyping Lab-St. Pölten ✎






Skills

Programming Languages: Python, C++, C#, Java, JavaScript/TypeScript, SQL	Frameworks & Web: Next.js, React, Svelte, Tailwind CSS, Node.js, Express.js, FastAPI, Spring Boot, JUnit, Three.js, Vue.js
Tools & Cloud: Docker, Git/GitHub/GitLab, Linux/Ubuntu, AWS, Microsoft Azure, Supabase, PostgreSQL, SQLite, Playwright, Bitbucket, Warp	Robotics: ROS2, MoveIt, Robot Kinematics, RViz, EGM, OpenCV







Languages

Persian (Farsi) Native	English C1	Dutch B1 (Actively learning)
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Projects

IoT Telemetry & Anomaly Detection Platform 	02/2026 – Present
<ul style="list-style-type: none">• Engineering a real-time data pipeline using Python and FastAPI, processing 500+ telemetry data points per second with sub-50ms latency.• Developing an interactive 3D dashboard using Next.js and React Three Fiber, visualizing 6-DOF (Degrees of Freedom) robot motion in real-time at a stable 60 FPS.	
Novara 	09/2025 – Present
<ul style="list-style-type: none">• Building an AI-powered SaaS platform with Next.js, Supabase, Tailwind CSS, and a Spring Boot backend.	
Project Acquisition Tool for Saxion 	11/2025 – 01/2026
<ul style="list-style-type: none">• Developed a full-stack web application that enables clients to submit projects, students to explore assignments, and teachers to manage and assign projects through an integrated dashboard (Svelte, Node.js, Express.js).	
Kiarash Cinema movie reservation website 	09/2025 – 10/2025
<ul style="list-style-type: none">• Developed a full-stack movie reservation platform with real-time seat updates (SSE) and secure JWT-based authentication using Svelte, Node.js, and Express.js.	
Railway Track Manager 	09/2025 – 10/2025
<ul style="list-style-type: none">• Java-based Railway Track Manager that loads Dutch railway data and provides shortest routes, round trips, and MCST generation using custom data structures and algorithms (Dijkstra, Prim). Built with SaxionApp for visual output.	

Certificates

Student Coaching Saxion  Issue date: 10/2025	Advanced Google Analytics  Issue date: 12/2023	Business Analytics Excel  Issue date: 12/2023
Data Science Math Skills  Issue date: 11/2023	Introduction Generative AI  Issue date: 10/2023	Scientific Computing Python  Issue date: 10/2023

Volunteering

Team Member  , <i>Accenture Netherlands</i> Developed AI-driven sustainability solutions for Accenture’s IRL Season 8 challenge.	11/2024 – 12/2024 Amsterdam, Netherlands
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Awards

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| Top Representative for " Calculus I " course, <i>Energy High School</i>
Recognized as top representative in Calculus I. | 06/2022 |
| 3rd Place – Mobtakeran Chess Tournament, <i>Mobtakeran Chess Academy</i>
Achieved 3rd place in a regional chess competition. | 08/2017 |

Interests & Hobbies

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| • Chess | • Programming | • Strength training & fitness |
| • Startup & entrepreneurship | • Building side projects | • Reading about technology & business |