Mohammad Ali Mahdi

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About me

Methodical Software Developer with a strong academic background and hands-on experience building scalable APIs, AI pipelines, and cloud-native applications. I combine deep computer science fundamentals with a disciplined, solution-oriented mindset to solve complex system problems calmly and efficiently. Proven track record of fast-paced cross-functional delivery, backed by a commitment to continuous learning and high code quality.

Skills

Design And Planning | Requirements Engineering | Risk Assessment & Risk Management | UML Designing | Communicate technical details to non technical audience | Cloud Computing | Container Orchestration

Programming | python | Java | Application Design Patterns | WIndows. MacOs, Linux (wsl) | Git/Github, Docker, Gitlab | Dart | Flutter | Django | Python - Numpy, Pandas | Google(SDK)

Data Management | Data Quality, Data Validation, Data Manipulation | Data Collection, Data Cleaning, Data Analysis, Data Visualisations | Data Visualization and Data Management

AI | Langchain | MCP Servers | Prompt Modifications | AI Agent Workflow | AI-Native Product Development | Agentic Coding

Projects

ExcellStudy | 01/07/2026 - 20/07/2026

I've built a working platform that lets independent developers deploy their own AI agents (e.g., a biology diagram checker, a physics answer-plausibility validator) into a shared learning platform without ever giving their code direct access to learner data or trusting it to run unsandboxed.

It's basically an Agent Marketplace for Edtech related AI agents.

https://excellstudy.site/

CampaignClickR | 17/12/2025 - 19/12/2025

Me and my team created an automated workflow for P&G. We took in their requirements and limitations created a workflow without suggesting any kind of change to their original workflow in Campaign Setup workflow.

https://www.youtube.com/watch?v=1tsqgPLbrIw

Datamend | 19/09/2025 - 21/12/2025

Me and my teammate created an app that takes in dirty data, profiles it and gives AI recomendation on how to improve the data quality. It also comes with the additional data visualization features too.

https://www.youtube.com/watch?v=4jYDVjbDELg&feature=youtu.be

Work experience

IT Team (Developer) | Quicksheft | 01/09/2025 - 10/01/2026 | Oulu, Finland

- Documentation
- Requirements Elicitation
- Backend and Frontend (Flutter)

Link: https://www.linkedin.com/company/quicksheft/posts/?feedView=all

Designer/ Developer | University of Oulu Botanical Garden | 17/05/2026 - 17/06/2026 | Oulu, Finland

I made a navigation app entirely from scratch, collecting requirements, even writing down the implicit ones. I also developed the frontend on flutter as well as the backend in python + FastAPI

Link: https://github.com/Mojojojo9975/BotaniNav | https://github.com/Mojojojo9975/BotaniNavBack

Achievements

1st Runner Up Of JunctionOulu Hackathon | 19/09/2025 - 21/09/2025

From: Nordea

https://eu.junctionplatform.com/projects/junctionx-oulu-hackathon

Junction 2025: P&G's challenge | 17/11/2025 - 19/11/2025

http://hackjunction.app/hackathons/junction-2025

Language Skills

	Understanding		Speaking		Writing
	Listening	Reading	Spoken production	Spoken interaction	
English	C2	C2	C2	C2	C2
Finnish	B2	B2	B1	B1	B2

Education & Training

Bachelor's Of Science | University of Oulu | 01/09/2024 - Current | Oulu, Finland

Field(s) of study: Software and applications development and analysis | **Final grade:** 4 | **Level in EQF:** 6 | **Type of credits:** ECTS | **Number of credits:** 170 | **Thesis:** Positive Impact of Ethnographic Analysis In Software Engineering | **Website:** https://www.oulu.fi/fi | **Address:** Pentti Kaiteran katu 190570

GCE A Levels | Cambridge Assessment For International Education (CAIE) | 22/02/2022 - 15/05/2022 | Dhaka, Bangladesh

Field(s) of study: Information and Communication Technologies | **Level in EQF:** 5 | **Website:** https://www.cambridgeinternational.org