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Mine Inanc

Work Experience



Backend Developer (Project: QualiCheck, US-based Company) (2023–2024) Designed and implemented full backend in Django Built APIs and database models, ensuring scalability and reliability. Collaborated with the international team on product deployment.



Junior LLM Engineer | The IT Solutions, The Hague
May 2024 - May 2025

- Learned and implemented Django for backend development.
- Worked on text-to-speech diffusion modules, focusing on enhancing model accuracy and efficiency.
- Collaborated on testing and refining large language models (LLMs) for diverse applications.
- Prepared and customized LLM and AI projects to meet customer requirements and expectations.
- Built an AI chatbot using LangChain, integrating Retrieval-Augmented Generation (RAG) for improved contextual responses, with plans to enhance retrieval mechanisms.
- Documented the development process in a dedicated repository, exploring LangFuse for tracing and evaluation while refining model performance and pipeline efficiency.



Full-Stack Developer (Project: On-Demand Trucking Platform)

- Designed and implemented an end-to-end logistics platform for matching shipment requests with available trucks.
- Built a Django backend with RESTful APIs, authentication, and PostgreSQL data models for companies, drivers, vehicles, and job assignments.
- Implemented a React frontend for request creation, status tracking, and dispatch workflows. Emphasized scalable architecture, modular services, and maintainable database design.

Freelance AI & Full-Stack Developer Jan 2023 – Present :

- Worked on multiple client and project-based engagements involving full-stack development and applied AI. Designed and implemented backend systems (Django, PostgreSQL), frontend applications (React), and AI-driven pipelines (LLMs, RAG, TTS). Delivered production-ready solutions across logistics, evaluation platforms, and AI-powered applications.

Relevant Skills

- **Java:** Advanced (3+ years of experience, including project implementation)
- **Python:** Advanced (5+ years of experience, utilized in multiple projects)
- **Swift:** Intermediate (Practical knowledge with project application)
- **Arduino:** Intermediate (Hands-on experience in various projects)
- **R Programming:** Intermediate (Familiarity with its application in data analysis and visualization)
- **React:** Advanced (Component-based UI, API integration, UX-driven design)
- **Machine Learning & Applied AI:** Proficient (LLMs, LangChain, RAG, evaluation pipelines, TTS diffusion models)
- **Django:** Advanced (APIs, databases, authentication, scalability)



Full-Stack Developer & AI Data Engineer (Company: Voltera - Energy SaaS Platform)

- Designed and implemented CRM-driven workflows and automation systems for a solar-energy platform.
- Built scalable backend services with Django, PostgreSQL, and REST APIs, integrating Supabase and structured data models.
- Developed a React-based frontend with modular components and UX-focused architecture.
- Implemented AI-driven features and automation pipelines using Python, LLM integrations, and n8n workflows.
- Focused on production-ready systems, maintainable architecture, and end-to-end ownership from design to deployment.



Founder & Lead Engineer (Project: Juristack - Legal Practice Management SaaS) 2025 - Present

- Founded and built a legal-tech startup taking on established Dutch incumbents (Cleverlaw, Basenet, LegalPA) with an AI-first practice management platform - the central hub where law firms run cases, clients, documents, deadlines, and billable time.
- Own the product end-to-end: market positioning, feature scoping, architecture, and full-stack build, targeting small/medium firms, corporate legal teams, and solo practitioners.
 - Differentiated on AI woven throughout - a legal assistant that researches and drafts directly from a firm's own case files, plus voice transcription of client meetings with speaker identification.
 - Built for the realities of legal work: strict confidentiality, conflict checking before taking clients, audit trails, and granular team-based access control.
 - Ran the full operation solo — from competitive analysis of the Dutch/EU legal market to a consumer-facing redesign pivot and rebrand after identifying a naming conflict. ship from design to deployment.



Awards & Certifications

Hackathon Award in Machine Learning & Artificial Intelligence
2021

Certificates of Honor (2018-2022): Received consistently throughout high school for academic excellence.

Nobel Explorers AI Chatbot Challenge Certificate (2021):

Completed a global online program focused on AI and chatbot development.

Nobel Explorers Course on Introduction to AI/Machine Learning Certificate (2021):

Acquired foundational AI and machine learning knowledge through a project-based course.

Education



MSc Data Science & Artificial Intelligence (Starting Sept 2025)

Eindhoven University of Technology, Netherlands

- Only Dutch engineering master fully combining Data Science & AI
- Specializations: process mining, visualization & explainable AI, knowledge management
- Focus on human-centered and sustainable AI applications



Bachelor of Cognitive Science and Artificial Intelligence

Tilburg University, Tilburg/Netherlands
Sept 2022 - August 2025

- Currently pursuing a Bachelor's degree in Cognitive Science and Artificial Intelligence.
- Current coursework includes Programming, Statistics, Linear Algebra, Multi-Agent Systems, and Human-Computer Interaction, equipping me with a diverse skill set in computing and user-centric design.
- Previous year's studies encompassed foundational subjects such as Artificial Intelligence, Critical Thinking, and additional interdisciplinary topics, fostering a holistic understanding of the field.
- hands-on projects and collaborative work, preparing for real-world applications in technology and AI.



Bachelor Thesis

- Scaling Up or Down? Evaluating LLM Size for Multi-Step Scheduling Tasks
- Tilburg University · Supervisor: Prof. Dr. Eric Postma · Jun 2025 – Aug 2025 · Grade: 7.5 / 10
- Benchmarked GPT-4o, LLaMA-70B & Mistral-8B on 75 calendar-scheduling prompts using a LangGraph agent (Python, LangChain, HuggingFace).
- Applied ReAct-style prompting for zero-shot reasoning; open-source models achieved up to 79% task success, approaching GPT-4o's 100%.
- Developed a full testing pipeline with synthetic prompts, API simulation, and statistical evaluation (z-tests, confidence intervals).
- Found that mid-sized models (~8B parameters) offer ~95% of top-model accuracy with lower compute and better on-prem deployment potential.

Turkish | native

English | Professional

German | Elementary Proficiency

Dutch | Elementary Proficiency