Diana Marusic

MACHINE LEARNING ENGINEER

I am a results-driven Machine Learning Engineer with more than 5 years of experience in Software Engineering, with a deep focus on continuous improvement and solving complex problems. I develop innovative AI solutions that tackle real-world challenges while excelling as a team player and delivering high-quality work. Skilled in a variety of algorithms, custom model creation and training including extensive Generative AI development.

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WORK EXPERIENCE

May 2024 - Aug 2024 — **MACHINE LEARNING ENGINEER, AIDY Health**

- Developed cutting-edge healthcare applications utilizing Generative AI technology.
- Trained custom LLMs and SLMs.
- Created Neural Networks to process raw text data.
- Presented multiple MVP's to large audiences and potential stakeholders.
- Mentored a team of three ML interns in various machine learning techniques.

Oct 2023 - Feb 2024 — **FREELANCE MACHINE LEARNING ENGINEER, Self-Employed**

- Implemented, built and trained custom LLMs for various projects.
- Developed custom tools for evaluating performance of various LLMs.

Jun 2022 - Sep 2023 — **WORKING STUDENT - WEB DEVELOPER, Hildesheim Universitat**

- Implemented the Cu2RVE project website - full-stack - using FastAPI and Vue.js.
- Collaborated in an Agile environment for efficient delivery.

Jul 2020 - Oct 2021 — **MACHINE LEARNING ENGINEER, Billheap**

- Developed an AI-based platform to extract data from invoices by implementing custom Machine Learning, NLP, OCR and image processing techniques.
- Developed predictive models using TensorFlow to enhance decision-making processes.
- Implemented machine learning algorithms in production environments.
- Utilized modern CI/CD tools such as Github Actions and Docker.
- Optimized existing models by fine-tuning hyperparameters for better performance and accuracy.
- Improved UI for clear Data visualization and useful statistics.

April 2017 - Oct 2021 — **JUNIOR WEB DEVELOPER, UPDIVISION**

- Developed full-stack websites for clients in various industries.
- Developed responsive user interfaces using HTML, CSS, and JavaScript in the Vue framework.
- Assisted in debugging and troubleshooting.

EDUCATION

Oct 2021 - Oct 2023 — **MASTER IN DATA ANALYTICS, Universität Hildesheim**

Sep 2018 - June 2021 — **BACHELOR IN SOFTWARE ENGINEERING, Technical University of Moldova**

SKILLS

Machine Learning	Generative AI	Python	PyTorch
Computer Vision	Deep Learning	MongoDB	HuggingFace
Vue.js	SQL	FastAPI	Docker
Tensorflow, Keras	Git	C, C++	Web Development

LANGUAGES

German (B2)	English (C2)	Romanian (Native)	Russian (C1)