JOHN DOE

AI Engineer

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john-doe | john-doe | https://john-doe.github.io/

Technical Skills

Deep Learning | NLP | Computer Vision | Machine Learning | Data Preprocessing | Feature Engineering | CI CD | AI Agents | PyTorch | TensorFlow | Python | Git | Docker | AWS | Linux | C | C++

Soft Skills

Problem Solving | Analytical Thinking | Team Collaboration | Communication

Currently Learning

Reinforcement Learning | AI Agents | German Language

Language Proficiency

English : Fluent
German : Proficient
Spanish : Fluent
French : Native

Profile

AI Engineer specializing in the development and implementation of advanced AI systems, including deep learning models, NLP applications, and AI agents. Proficient in PyTorch, AWS, and modern architectures, with hands-on experience in building robust and scalable AI solutions. Combines a strong theoretical background with practical skills to solve complex engineering challenges.

Professional Experience

Machine Learning Researcher | AI Research Lab GmbH

August 2023 - Present | Berlin, Germany

- Developed and optimized advanced deep learning models to improve predictive modeling accuracy for scientific data.
- Systematically evaluated model performance and generalization across diverse datasets and input sizes.
- Analyzed the impact of data representation and model architecture on prediction robustness, contributing to scalable and generalizable ML solutions.
- Collaborating on a research paper for a peer-reviewed journal.

Machine Learning Engineer | Tech Innovations AG

January 2023 - July 2023 | Berlin, Germany

- Designed and implemented machine learning models for real-time data processing and analysis.
- Developed a computer vision application to classify images using deep learning models, achieving high accuracy on test datasets.
- Collaborated with cross-functional teams to integrate AI solutions into existing systems, enhancing operational efficiency.
- Contributed to the development of an AI agent for a word game using Deep Q-Networks in PyTorch.

Education

BSc. Computational Science | University of Berlin

October 2020 - September 2024 | Berlin, Germany

- GPA: 1.9
- Thesis: 'Analysis of Complex Systems using Machine Learning'
- Relevant Coursework: Advanced Algorithms, Machine Learning, Big Data Technologies, Numerical Methods, Software Engineering, Linear Algebra and Calculus.

Data Analyst Certification Course | Online Learning Academy

February 2022 - August 2022 | Remote

- Completed a comprehensive program focused on data analysis, covering key skills in SQL, Python, Tableau, PowerBI and statistical analysis.
- Gained hands-on experience in data cleaning, data visualization, and dashboard creation.

Selected Projects

AI-Powered Chatbot |

Developed a chatbot using NLP techniques to provide customer support, integrating it with a web application for real-time interaction.

Image Classification System |

Created a computer vision application to classify images using deep learning models, achieving high accuracy on test datasets.

Large-Scale Text Analysis |

Collaborated to set up a GPU cluster to extract specific statements from a large corpus of web archive files using regex and ML algorithms, followed by NLP analysis of the extracted data.