



# JOHN DOE

## AI Engineer

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

Berlin, Germany

## 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.