

Machine Learning Engineer

As a dedicated Machine Learning Engineer from Portugal, I bring 1.5 years of hands-on experience in navigating the complete lifecycle of ML models. My expertise spans the entire journey, from initial ideation and meticulous data preparation to robust deployment and continuous improvement, all underpinned by a strong command of Python, TensorFlow, and Keras. My true passion lies in the dynamic fields of Natural Language Processing (NLP) and Computer Vision, where I strive to develop and implement high-performing, innovative AI solutions that push the boundaries of what's possible.

My academic foundation is robust, beginning with a Bachelor of Science in Computer Engineering from the University of Porto, obtained in 2019. This program provided me with an in-depth understanding of core computer science principles and software development methodologies, laying a solid groundwork for my future specialization. Building on this, I pursued a Master of Science in Artificial Intelligence at the prestigious University of Lisbon, graduating in 2021. My master's studies were focused on exploring advanced AI concepts and translating theoretical knowledge into practical, real-world applications, further honing my analytical and problem-solving capabilities.

Currently, I serve as an ML Engineer at AI Solutions Lda., a role I've held since 2022. In this capacity, I am deeply involved in the end-to-end process of designing, building, and deploying sophisticated machine learning models specifically tailored for Natural Language Processing tasks. A significant achievement in this role has been the demonstrable improvement of model accuracy by a notable 10%, directly contributing to enhanced operational efficiency and performance. Beyond NLP, I also actively implement advanced deep learning setups for complex computer vision challenges, and I am committed to elevating MLOps practices through the strategic utilization of AWS SageMaker, ensuring seamless integration and scalability of our AI solutions. My work also involves meticulous data cleaning and feature engineering, recognizing that high-quality data is the bedrock of effective ML models. Prior to my current role, I gained valuable experience as an AI Research Intern at Tech Lab from 2021 to 2022, where I made meaningful contributions to cutting-edge computer vision research by diligently implementing and rigorously evaluating various machine learning models.

My technical toolkit is comprehensive, encompassing a wide array of programming languages, libraries, and platforms essential for modern machine learning. I am proficient in Python, leveraging its extensive ecosystem including NumPy, Pandas, Matplotlib, and Scikit-learn for data manipulation, analysis, and model development. My deep learning expertise extends to TensorFlow, Keras, and PyTorch, enabling me to build and train complex neural networks. I am

highly skilled in Natural Language Processing (NLP) and Computer Vision techniques, from traditional algorithms to state-of-the-art deep learning architectures. Furthermore, I possess strong capabilities in MLOps, including the practical application of AWS SageMaker for streamlined model deployment and management, alongside proficiency in Docker for containerization, Git for version control, and SQL for database interaction.

Beyond my professional pursuits, I lead an active and intellectually curious life. I find immense joy and rejuvenation in hiking, exploring natural landscapes and embracing the outdoors. Photography is another passion, allowing me to capture moments and perspectives. I am an avid reader, particularly drawn to science fiction for its imaginative scope and non-fiction works that delve into the latest advancements in artificial intelligence, keeping me abreast of emerging trends and discoveries. Additionally, I enjoy the intellectual challenge and growth that comes from learning new programming languages.

Born on August 15, 1997, I am based in Lisbon, Portugal. I am readily available for professional inquiries and collaborations. My contact information is: Phone: +351 (91) 234-5678, Email: fabio.ribeiro@email.pt. Further insights into my projects and contributions can be found on my GitHub profile: github.com/fabioribeiro-ml.