André Ricardo Vargas da Silva Junior

Machine Learning Engineer | Data Scientist

🌐 andrevargas.com.br   ✉ andrevargas22@gmail.com   in ⓖ andrevargas22

Profile:

Machine Learning Engineer based in São Paulo, Brazil, with experience in the development and deployment of ML and MLOps solutions. With a solid background in Computer Science and Software Engineering, skilled in cloud architectures, CI/CD, and the implementation of models and APIs in production. Demonstrating a holistic and integrated vision in delivering advanced technological solutions, seeks opportunities to expand MLOps skills, contributing to the advancement, efficiency, and scalability of Machine Learning projects.

Recent Experience:

Senior Data Scientist | Stefanini Brasil – Banco do Brasil | Jan/24 – Present
- Development of credit risk models to estimate the probability of an asset becoming problematic.
- Development of managerial market projection models for Banco do Brasil.

Machine Learning Engineer | Falconi Consultures S.A. | Jan/23 – Dec 23
- Cloud architecture for Machine Learning systems.
- Implementation and deployment of models and APIs in production.
- Best practices for CI/CD and test-driven development.
- Deployment of the MLFlow server on Google Cloud.
- Creation of digital assets (templates, libraries, repositories) to accelerate the progress of projects.

Data Scientist | Falconi Consultores S.A. | Mar/22 – Dec/22
- Development of Machine Learning models (supervised and unsupervised).
- Coding of data apps and libraries to leverage work in projects.

Hardware Engineer | SENAI SP | Mar/19 – Feb/22
- Electronics and Microcontrollers, Hardware Design and Embedded Firmware Programming.
- IoT, Industrial Automation, Digital Transformation and Data Analysis.

Education:

Mechatronics Engineering | 2011 - 2017 | Universidade De Brasília, Brazil
- Exchange Program | Sep/14 – Aug/15 | Cardiff University, United Kingdom

Technical Skills:

ML Infrastructure / MLOps:

- Machine Learning Lifecycle: Modeling, Deployment and Monitoring
- Environment & OS Setup: Linux, WSL
- Version Control: Git, GitHub, GitLab
- Cloud Services: Google Cloud Platform, Amazon Web Services, Microsoft Azure
- Containerization: Docker, Kubernetes
- Experiment Tracking and Model Registry: MLFlow
- CI/CD: GitHub Actions, Jenkins
- Pipeline Orchestration: Kedro, Kubeflow
- Model Serving: BentoML, FastAPI
- Model Monitoring: Grafana, Evidently

Data Science and Analysis:

- Python: Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras, Pytorch, PySpark
- Front-end Frameworks: Streamlit, Flask
- SQL: SQL Query, SQLAlchemy, PostgreSQL
- ML Models: Catboost, XGBoost, LightGBM, ARIMA, Random Forest, K-Nearest Neighbors, Support Vector Machines

Project Management Methodologies:

- Agile, Scrum, Kanban

Languages Spoken:

- Portuguese (native)
- English (fluent)
- Spanish (advanced)