Resume – Data Science & Machine Learning

João Pedro Mateus Souza

Data Scientist | Machine Learning Engineer | Software Engineer

Niterói, RJ, Brazil · Open to relocation and remote opportunities
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PROFESSIONAL SUMMARY

Final-year Computer Science student with hands-on experience in **Data Science, Machine Learning, and Automation**, currently working within a global telecommunications leader (Nokia). Strong background in **Python-based data solutions**, **deep learning**, **computer vision**, and **end-to-end analytics pipelines**. Proven ability to translate business and technical problems into scalable data-driven solutions. Seeking full-time opportunities in **Data Science, Machine Learning, AI, or Software Engineering**.

CORE SKILLS

Data & AI
Machine Learning · Deep Learning · Computer Vision · Semantic Segmentation · Data Analytics · KPI Design · Data Cleaning & Augmentation · Data Scraping · Model Evaluation

Programming & Tools
Python · SQL · Bash · Docker · Git · REST APIs · Flask · Django · OpenStack · Linux

Cloud & Infrastructure
AWS · Azure · Google Cloud · Virtual Machines · Containerization

Databases
MySQL · PostgreSQL · SQLite · ClickHouse

Methodologies
Agile (Scrum, Kanban) · Lean Six Sigma

PROFESSIONAL EXPERIENCE

Nokia Corporation — Automation & Data Analytics Intern

2024 – Present

- Designed and delivered **end-to-end automation and data analytics solutions** supporting strategic decision-making across telecom operations.
- Developed **interactive dashboards** and analytical tools to monitor operational KPIs and performance indicators.
- Built and maintained **data pipelines**, including data scraping, cleaning, transformation, and visualization.
- Modeled and optimized **relational databases** to support analytics and governance requirements.
- Developed **web-based analytics platforms** using Python (Flask), SQL, and REST APIs.
- Implemented containerized solutions using **Docker**, with deployments on **OpenStack virtualized environments**.
- Contributed to automation and monitoring solutions for **telecommunications infrastructure across Canada**.

Acceta Especialistas — Technical Consultant & Developer

2023 – 2024

- Worked in an **R&D and innovation consultancy**, supporting technology-driven projects and client proposals.
- Authored and automated **technical project descriptions and R&D reports**, improving productivity and consistency.
- Leveraged **Large Language Models (LLMs)** to support structured technical writing and ideation.
- Co-developed the company's first **internal project management and documentation platform** using **Django and MySQL**.
- Participated in client meetings, translating business requirements into technical solutions.

ACADEMIC EXPERIENCE

Scientific Initiation — Computer Vision (UFF)

- Conducted research in **Deep Learning and Computer Vision**, with focus on **semantic image segmentation**.
- Designed and trained **Convolutional Neural Networks (CNNs)** for pixel-level classification tasks.
- Gained practical experience with data preprocessing, model evaluation, and experimentation workflows.

PET-Telecom — Tutorial Education Program (UFF)

- Developed projects using **Octave/MATLAB**.
- Co-authored an **educational article on Number Systems**.

EDUCATION

Bachelor of Science in Computer Science
Fluminense Federal University (UFF) — Niterói, RJ, Brazil
Final Year Student

CERTIFICATIONS & COURSES (LinkedIn Learning)

- Data Science Foundations: Fundamentals
- Artificial Intelligence Foundations: Thinking Machines
- AI Foundations: Machine Learning & Deep Learning
- Introduction to Artificial Intelligence
- Learning Docker
- Process Improvement Foundations
- Developing Business Acumen
- Leading with a Growth Mindset

LANGUAGES

- English — Advanced
- Portuguese — Native
- French — Beginner