Andrei Erhan

Lead Data Scientist

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About Me

Resourceful, energetic data science leader with a passion for machine learning, AI transformation, and building high-performing teams. Solutions-focused and self-driven, I combine hands-on ML delivery with coaching and enablement helping both models and people perform better in production.

Professional Experience

Lead Data Scientist - maib *Jul 2025 – Present*

- Leads a team of data scientists, setting technical direction and unblocking day-to-day delivery across the group's ML/AI workstreams.
- Designed and delivered AI transformation training for colleagues, covering practical use of LLMs and AI tools to automate daily work.
- Drove org-wide adoption of AI-assisted workflows, reducing time spent on routine task.
- Serves as Agile Data Science Acord Lead: owns professional development for the data science team, running coaching and skill-growth plans for data scientists.

Senior Data Scientist - maib *Feb 2025 – Jun 2025*

- Took on senior technical ownership across the team's ML project portfolio ahead of stepping into team leadership.
- Continued delivery on production ML systems while mentoring junior data scientists on model development practices.

Data Scientist - maib *Feb 2021 – Jan 2025*

- Developed various ML projects, including Named Entity Recognition, a mobile app churn-rate model with 95% accuracy, transaction forecasting across several platforms with 80% accuracy, a mobile app onboarding model with 85% accuracy, and an ATM monitoring interface that reduced downtime by 20%.
- Executed SAP BO projects to improve data accessibility for business-wide users without specialized technical knowledge, improving cross-functional collaboration by 35% and user satisfaction by 40%.
- Developed DataMarts to facilitate data access across multiple use cases, increasing data utilization by 40% and cutting manual data retrieval time by 25%.
- Generated stakeholder-specific analysis reports, contributing to a 25% average increase in data-informed decision making.
- Performed transactional data analysis to prevent fraud, reducing fraudulent transaction activity by 40%.
- Analyzed financial data to identify trends, contributing to a 30% increase in overall revenue.
- Built and maintained ETL processes, increasing efficiency by 20% and reducing data processing errors by 15%.

Technical Skills

Python, Machine Learning, NLP, LLMs, LangChain, RAG, Chatbot Development, Predictive Modeling, Data Analysis, Data Visualization, SQL, Data Mining, SSIS

Leadership & Soft Skills

Team Leadership, Coaching & Mentoring, AI Training & Facilitation, Agile/Scrum, Analytical Thinking, Multi-tasking

Education

UNASM, Chisinau - Master's degree, completed 2017

Languages

Romanian (native), English, Russian

Achievements

- Jun 2023, First place at AI Hackathon - Topic: Sentiment analysis and NER
- Certificate: Python for Data Science and Machine Learning Bootcamp
- Certificate: Machine Learning Unlocked (technical workshop series)
- Certificate: Data Analysis in SPSS practical workshop
- Certificate: 80-hour Data Science course
- Certificate: How to increase and improve your use of data in decision making