

Data Scientist (AI) for Demand Forecasting (m/f/d)

Ihre Aufgaben

Key Responsibilities:

- You will apply advanced statistical and machine learning techniques to transform raw data into actionable demand signals, directly influencing procurement, logistics, and financial strategy across all departments.
- You will be responsible for the forecasting engine and will join an international team.
- You will be responsible for following main duties:
 - **Algorithm Design:** Develop and tune time-series models ranging from classical econometric approaches (ARIMA, Exponential Smoothing) to modern ML (XGBoost, LightGBM) and deep learning (Temporal Fusion Transformers, N-BEATS).
 - **Hierarchical Forecasting:** Implement reconciliation methods (bottom up, top down, or MinT) to ensure forecasts are consistent across different levels of the product hierarchy (SKU, product hierarchy, region).
 - **Experimentation:** Conduct rigorous back-testing and A/B testing of model versions to quantify the reduction in safety stock requirements and out-of-stock incidents.
 - **Insight Communication:** Develop dashboards that visualize forecast results, uncertainty, and explainable AI (XAI) outputs to build trust with non-technical stakeholders.
 - **Optimization:** Work with the Data Engineer to optimize model inference times.



Job ID
REF8750P

Arbeitsbereich
Informationstechnologie

Standort
Timișoara

Leadership Level
Leading Self

Rechtliche Einheit
**AUMOVIO TECHNOLOGIES
ROMANIA S.R.L.**

Ihr Profil

- Master's degree in computer science, applied mathematics, machine learning or a similar quantitative field.
- At least 5 years of proven practical experience in Python (including polars, scikit-learn) and machine learning algorithms is a must.
- Proven practical experience in time-series forecasting, including profound knowledge of seasonality, trend decomposition, and handling typical problems like ramp-ups and ramp-downs is a must.
- Expert in building robust and automated data pipelines with ETL tools.
- Proven practical experience in analyzing requirements and processes to design solutions based on them.
- Practical experience with SQL, Python, Git and PowerBI.
- Proven practical experience in R and R Shiny is a plus.
- Very good quick comprehension.
- Analytical, structured and conceptually strong working methodology.
- Strong ability to express complex concepts in a comprehensible language for non-specialists.
- Very good command of English (both written and spoken) and very good communication skills.

Unser Angebot

What we offer:

Pay for Performance:

- Achievement Bonuses and Rewards;
- Recommendation Bonuses for new team members;
- Flexibility Program including flexible hours, mobile work and sabbaticals.

Wellbeing:

- Health & Wellness (Private Health Insurance, Life Insurance, Sport activities etc.);
- Different discounts (glasses, tires, medical, shopping);
- In-house restaurant & coffee corners.

Life-Long Learning:

- Dedicated Programs and Conferences;
- Free Language Courses (English, German, French etc);
- Access to e-learning platforms;
- Career development opportunities (local and international);
- Internal development communities (Experts, Agile Community of Practice, Artificial Intelligence etc).

Ready to take your career to the next level? The future of mobility isn't just anyone's job. Make it yours! **Join AUMOVIO. Own What's Next.**

Über uns

Since its spin-off in September 2025 AUMOVIO continues the business of the former Continental group sector Automotive as an independent company. The technology and electronics company offers a wide-ranging portfolio that makes mobility safe, exciting, connected, and autonomous. This includes sensor solutions, displays, braking and comfort systems as well as comprehensive expertise in software, architecture platforms, and assistance systems for software-defined vehicles. In the fiscal year 2024 the business areas, which now belong to AUMOVIO, generated sales of 19.6 billion Euro. The company is headquartered in Frankfurt, Germany and has about 87.000 employees in more than 100 locations worldwide.