

# Florian Preiss

✉ florianpreiss@outlook.de    ☎ +49 (0)15750732476    in florianpreiss    📍 Munich, Germany

## Summary

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Applied AI Engineer with +2 years of experience building cloud-native ML & GenAI systems. Specialized in LLM-based applications including multi-agent systems, RAG pipelines and aspect-based sentiment analyses on AWS. Proven experience owning projects end-to-end and working with stakeholders to deliver solutions that support operational and strategic decisions.

## Experience

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**Audi Business Innovation GmbH** – Munich, Germany

08/2024 – Present

*Data Scientist*

- Built production pipelines for large-scale analysis of user feedback from social media, blogs and forums using LLM-based aspect-based sentiment analysis on AWS.
- Collaborated with cross-functional teams to develop a production-grade multi-agent system on AWS using LangGraph and MCP that enables clients to chat with their data and uncover insights across internal documents.
- Designed and implemented document preprocessing and retrieval workflows, including chunking, metadata handling, and agent routing for RAG and text-to-SQL use cases.

**Audi Business Innovation GmbH** – Munich, Germany

03/2024 – 06/2024

*Master Thesis – AI Engineering (GPA: 4.0/4.0)*

- Developed a prototype for a GenAI assistant using RAG to answer questions over internal document collections.
- Integrated fragmented vehicle, market, and user feedback data into a single semantic access layer for decision support.

**United Nations – Department of Operational Support** – New York, USA

09/2023 – 02/2024

*Analytics & Business Intelligence – Carlo Schmid Fellow*

- Developed data and process automation workflows using Power Automate and Power BI to support operational teams.
- Built dashboards and reports used by senior stakeholders to monitor processes and performance.

**Nova SBE Data Science Knowledge Center** – Lisbon, Portugal

10/2022 – 06/2023

*Lead Data Scientist (Student Project)*

- Led a team of three students on a data science project for an asset management client in the banking sector, coordinating the project from scoping to handover.
- Trained and validated NLP classification models for financial news articles and delivered a prototype aligned with business decision workflows.

**Audi Business Innovation GmbH** – Munich, Germany

04/2022 – 08/2022

*Data Analytics Intern*

- Developed Tableau dashboards used for operational and management reporting.
- Supported teams in integrating analytics outputs into daily workflows.

**Omniga GmbH & Co. KG** – Regensburg, Germany

05/2021 – 08/2021

*Bachelor Thesis – Machine Learning (GPA: 4.0/4.0)*

- Developed a recommender system for customer retention optimization.
- Trained and evaluated supervised ML models (Random Forest, XGBoost) on a customer dataset with 4M+ records.

## Education

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**Nova School of Business and Economics** – Lisbon, Portugal

09/2022 – 06/2024

*M.Sc. in Business Analytics (GPA: 4.0/4.0 – Top 2% in cohort)*

- Relevant coursework: Machine Learning, Network Analytics, Advanced Programming, Data Curation

**Regensburg University of Applied Sciences** – Regensburg, Germany

10/2017 – 07/2021

*B.A. International Relations and Management (GPA: 3.7/4.0)*

- Relevant coursework: Machine Learning with R, Applied Data Analytics, Statistics

## Skills

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- **GenAI & LLMs:** AWS (Amazon Bedrock, Sagemaker, Agentcore) · Open Source (PyTorch, Tensorflow, Scikit-learn, Ollama, Hugging Face) · Multi-Agent Systems (StrandsAgents, LangChain, LangGraph, MCP) · Fine-tuning (LoRA/QLoRA) · RAG Pipelines (chunking, retrieval, re-ranking) · Semantic search · Context/Prompt Engineering
- **Cloud & Infrastructure:** AWS · Terraform · Git/GitHub
- **Programming:** Python · SQL · R
- **Data & Interfaces:** Tableau · Power BI · Streamlit
- **Collaboration & Delivery:** Agile methods (Scrum, Kanban, Scrumban, SAFe) · Jira · Confluence · Miro · Figma
- **Languages:** German (Native) · English (Full Professional) · Spanish (Professional Working)

## Awards & Scholarships

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- **Carlo Schmid Fellowship** (2023–2024) – Merit-based fellowship (7% acceptance rate) to gain international professional experience
- **DAAD Scholarship** (2023–2024) – Merit-based fellowship of the German Academic Exchange Service (DAAD) and German Federal Ministry of Education and Research (BMBF) for international professional experience
- **EXIST Scholarship for Startup Founders** (2021–2022) – Federal funding from the German Federal Ministry for Economic Affairs and Energy (BMWE) to co-found and develop a startup from concept to prototype