Arian Namazi

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EDUCATION

2024 - 2026 **Rhenish Friedrich Wilhelm University of Bonn** MSc Computer Science
- GPA (43/120 ECTS): 1.6 (Germany)
- Focus: Intelligent Systems, Computer Vision

2020 - 2024 **Rhenish Friedrich Wilhelm University of Bonn** BSc Computer Science
- GPA 2.2 (Germany)
- Thesis: Analyzing the Impact of Data Augmentation in Temporal Action Segmentation (implemented in Python using PyTorch, Scikit-learn, and NumPy)
- Minor: Introduction to the Theory of Firm, Finance and Investments

2017 - 2020 **Maximilian-Kolbe-Gymnasium** A levels (Abitur)
- GPA 1.5 (Germany)
- Focus: Mathematics, Computer Science

WORK EXPERIENCE

04/2025 - 09/2025 **Intern Data Analytics and Generative AI, Robert Bosch GmbH, Buehl**
- Supporting the design, development, and testing of generative and agentic AI applications
- Implementing an LLM-powered intelligent slide generation assistant for the management

08/2024 - 03/2025 **Working Student Data Engineer, DIGITIUM Unternehmensberatung GmbH, Cologne**
- Software development of data pipelines using Python
- Automated the creation and modification of Cloud Run jobs
- Implemented a data backup service utilizing Google Cloud Storage and MongoDB
- Built a vector database and developed BoW as an encoding approach for unseen data

PROGRAMMING EXPERTISE

10/2024 - 01/2025 **Lab Information Retrieval in Practice**
- Implemented Contextual RAG and evaluated various chunking strategies, embedding models, and LLMs (Llama, Mistral, Qwen)
- Added the Multi-Query decomposition approach to improve the retrieval and responses
- Evaluated on different QA benchmark datasets on multiple evaluation metrics

11/2024 - 01/2025 **Lecture Natural Language Processing, NLP Project**
- Developed a multi-label, multi-class classification model to assign fine-grained roles to named entities in news articles using BERT and Llama

2023 **Lecture Computational Intelligence**
- Implemented MLP, Radial Basis Function Networks, Self-Organizing Maps (Kohonen), CNNs, RNNs, SVM, k-Nearest Neighbors, and k-Means using Python

2022 **Lab Mobile Robotics**
- Projects on person detection, wall follower, and A*-search algorithm using C++, OpenCV, and ROS

2021 **Mail Client Software Development, Bachelor Project at the University**
- Four weeks of coding using Java, Gradle, JSON, XML, and TCP/IP

SKILLS & INTERESTS

Languages	German (native), English (fluent), Persian (native), Spanish (CEFR B2)
Skills	GCP, Azure, Python, PyTorch, LangChain, NLTK, spaCy, Matplotlib, R, Java, C, SQL, SPARQL, FastAPI, Docker, Conda, Jupyter, pgSQL, Git, CI/CD, Linux, LaTeX, Streamlit
Interests	Large Language Models, Finance, Cycling, Swimming, Gym