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; written in English)
- 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 report slide generation assistant for the management

08/2024 - 03/2025 **Working Student Data Engineer, DIGITIUM Unternehmensberatung GmbH, Cologne**
- Developed data pipelines (ETL) in Python while focusing on clean code
- Redesigned and optimized database architecture to enhance query performance
- Created a data backup service utilizing Google Cloud Storage and MongoDB
- Built a vector database and developed 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)
- Integrated a multi-query decomposition approach to improve retrieval and responses
- Benchmarked on different QA datasets using multiple evaluation metrics

11/2024 - 01/2025 **Lecture Natural Language Processing, NLP Project**
- Applied BERT and LLMs independently to solve a multi-label, multi-class text-span classification problem (Entity Framing)

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

10/2022 - 02/2023 **Lab Mobile Robotics**
- Projects on person detection, object 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, Git, CI/CD, pgSQL, DAGs, Streamlit, Linux, LaTeX
Interests	Large Language Models, Finance, Cycling, Swimming, Gym