

Arian Namazi

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EDUCATION

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| 2024 - 2026 | Rhenish Friedrich Wilhelm University of Bonn MSc Computer Science <ul style="list-style-type: none">GPA (43/120 ECTS): 1.6 (Germany)Focus: Intelligent Systems, Computer Vision |
| 2020 - 2024 | Rhenish Friedrich Wilhelm University of Bonn BSc Computer Science <ul style="list-style-type: none">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) <ul style="list-style-type: none">GPA 1.5 (Germany)Focus: Mathematics, Computer Science |

WORK EXPERIENCE

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| 04/2025 - 09/2025 | Intern Data Analytics and Generative AI, Robert Bosch GmbH, Buehl <ul style="list-style-type: none">Supporting the design, development, and testing of generative and agentic AI applicationsImplementing an LLM-powered report slide generation assistant for the management |
| 08/2024 - 03/2025 | Working Student Data Engineer, DIGITIUM Unternehmensberatung GmbH, Cologne <ul style="list-style-type: none">Developed data pipelines (ETL) in Python while focusing on clean codeRedesigned and optimized database architecture to enhance query performanceCreated a data backup service utilizing Google Cloud Storage and MongoDBBuilt a vector database and developed an encoding approach for unseen data |

PROGRAMMING EXPERTISE

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| 10/2024 - 01/2025 | Lab Information Retrieval in Practice <ul style="list-style-type: none">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 responsesBenchmarked on different QA datasets using multiple evaluation metrics |
| 11/2024 - 01/2025 | Lecture Natural Language Processing, NLP Project <ul style="list-style-type: none">Applied BERT and LLMs independently to solve a multi-label, multi-class text-span classification problem (Entity Framing) |
| 2023 | Lecture Computational Intelligence <ul style="list-style-type: none">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 <ul style="list-style-type: none">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 <ul style="list-style-type: none">Four weeks of coding using Java, Gradle, JSON, XML, and TCP/IP |

SKILLS & INTERESTS

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| 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 |