

Parsa Kazerooni

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Education

- Since 10/2024 | **Master of Science - Artificial Intelligence and Machine Learning**
Technical University of Darmstadt | Darmstadt, Germany
Notable Courses: Multimodal AI, NLP4Web and DL4NLP, Deep Generative Models, Computer Vision, Statistical Machine Learning, Scalable Data Management Systems
- 09/2019 - 07/2024 | **Bachelor of Engineering - Computer Engineering**
Yildiz Technical University | Istanbul, Turkey
Honored Student. Bachelor's Thesis: *Code Generation with LLMs*
- 09/2022 - 02/2023 | **Erasmus Exchange Program - ICT and Software Engineering**
Fontys University of Applied Sciences | Eindhoven, Netherlands

Work Experience

- 07/2025 - Present | **HiWi**
Software Technology Group
Technical University of Darmstadt | Darmstadt, Germany
Secure Code Generation and Evaluation, Benchmarking of code LLMs and agents; dataset preparation; experiment automation.
- 02/2024 - 08/2024 | **Undergraduate Research Assistant**
Cosmos AI Research Group
Yildiz Technical University | Istanbul, Turkey
Assisted model training, data pipeline development and RAG system implementation.

Publications

- 2025 | **Where Do LLMs Still Struggle? An In-Depth Analysis of Code Generation Benchmarks**
IEEE/ACM International Conference AIWare Paper
Software Technology Group - will be published in the book of proceedings: <https://ieeexplore.ieee.org/abstract/document/11334401>
- 2024 | **Improving Information Retrieval in Turkish: A ColBERT-Based Approach**
Springer/EAI - Conference Paper
Cosmos AI Research Group - Published in the book of proceedings: https://link.springer.com/chapter/10.1007/978-3-031-88999-8_7

Skills & Languages

- Technical** | Java, Python, C/C++, Rust, SQL, JavaScript/TypeScript; Spring Boot, FastAPI, Django, React; PyTorch, TensorFlow, HuggingFace; Docker, PostgreSQL, CI/CD
- Research** | Machine Learning, Natural Language Processing, Multimodal AI, Computer Vision
- Languages** | English (C1), German (B2.1), Turkish (C1), Persian (Native)