

Sari Sadiya, PhD

mobile: +49 (157) 3323 1303

sadisari@gmail.com

calendly.com/sari-sadiya/30min

[Google Scholar](#) (over 700 citations)

Research Associate at Frankfurt Institute of Advanced Studies. Dual PhD in Computer Science and Cognitive Neuroscience with a strong background in Mathematics. Previously an engineer at Apple. My work focuses on machine learning applications for neuroscience, bioinformatics, and computer vision.

PROFESSIONAL EXPERIENCE

Machine Learning Consultant

Freelancer at various startups (references available upon request)

Jan 2023–Present

- **Jience** (2024): Implemented a recommendation system for a job matching platform from scratch.
Tech stack: Next.js, Flask, Python, MongoDB, Weaviate, Google Cloud Functions.
- **Aneesi.ai** (2023): (pre-seed) Designed and implemented an LLM-based personalized b2b marketing agent. The company went on to acquire pre-seed funding.
Tech stack: React, Flask, Python, Firestore, Weaviate, SQL, Google Cloud Functions.
- **GamerTag** (2023): (post series-A) Implemented an embedding-based social recommender system.
Tech stack: Python, Zilliz, AWS

Frankfurt Institute for Advanced Studies

Research Associate (First 24 months funded through a Humboldt Research Fellowship)

Frankfurt, Germany

Nov 2022–May 2025

- ML Researcher: 10+ publications focusing on deep learning for computer vision and bioinformatics.
- Course Instructor: Taught 4 semesters of "Pattern Analysis and Machine Intelligence Seminar".
- Thesis Supervisor: Mentored 9 junior researchers, resulting in several conference publications.

Apple Inc.

Engineer

Haifa, Israel

March 2013–August 2015

- Embedded development and Circuit design and verification with Verilog and systemVerilog Assertions.

EDUCATION

MICHIGAN STATE UNIVERSITY

Dual PhD in Computer Science and Cognitive Neuroscience

Thesis: Machine Learning Approaches for Processing and Decoding Attention Modulation of Sensory Representations from EEG (GPA: 3.85/4.0)

Michigan, USA

October 2022

MICHIGAN STATE UNIVERSITY (Fulbright IIE Scholarship)

Masters in Engineering with focus on Natural Language Processing

Thesis: Interactive Human-Robot One-Shot Task Structure Learning from Demonstration (GPA: 3.85/4.0)

Michigan, USA

August 2017

TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY
Bachelors of Science in Mathematics (GPA equivalent to: 3.65/4.0)

Haifa, Israel
June 2013

TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY
Bachelors of Science in Computer Science (GPA equivalent to: 3.65/4.0)

Haifa, Israel
June 2013

ADDITIONAL SKILLS

- **Machine Learning:** Extensive experience training and fine-tuning convolutional and transformer models.
Tech Stack: PyTorch, Sklearn, Numpy, Pandas, OpenCV, Slurm, MLflow, Hadoop, C++
- **Cloud Applications:** Proficient in deploying machine learning models using various cloud services.
Tech Stack: Cloud Firestore, Weaviate, AWS Sagemaker, Docker, Google Cloud Functions
- **Full Stack Development:** I build accessible frontend applications to deliver ML products to users.
Tech Stack: NextJS, restfulAPIs, VueJS, Bootstrap, PWA, PyQt, Flask, MongoDB, SQL
- **Experimental Psychology:** Designing and conducting behavioral, eye-tracking, EEG, and fMRI experiments.
Coding and Statistical Analysis: Matlab, FreeSurfer, EEGLAB, PsychoPy, E-Prime, SPSS
- **Hardware and Embedded Development:** Former Engineer at Apple.
Tech Stack: Verilog and SystemVerilog Assertions, x86 Assembly

LANGUAGES

- **English (Full Working Proficiency)**
- **German (Beginner)**
- **Hebrew (Native Speaker)**
- **Arabic (Native Speaker)**

DISTINCTIONS AND AWARDS

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| - Humboldt Research Fellowship 24 months sponsorship for researcher in Germany | 2022-2024 |
| - Dissertation Completion Fellowship MSU Graduate Office | 2021 |
| - Cultural Heritage Fellowship Matrix center for digital humanities & social sciences | 2020 |
| - Graduate Office Fellowship MSU Graduate Office | 2020 |
| - Fulbright Scholarship Program for International Educational Exchange
Granted by the U.S. Bureau of Educational and Cultural Affairs. | 2015-2017 |
| - Technion Honor Role Awarded to top 10% of students in each program | 2013 |

ACADEMIC GRANTS

- | | |
|----------------------------------------------------------------------------------|------|
| Cognitive Neural Architecture Search by Hessian.AI, total value 100,000 € | 2025 |
|----------------------------------------------------------------------------------|------|

ADDITION EXPERIENCE

Project director for the Refugee Outreach Collective "Global Classroom", a partnership with Central Michigan University. The project expands educational access to individuals experiencing displacement at Malawi Dzaleka refugee camp through participation in accredited online classes.