

HAGVERDI İBRAHIMLI

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Education

University of Freiburg

M.Sc. Computer Science – Specialization in Artificial Intelligence

Oct. 2024 – Present

Freiburg, Germany

Sabancı University

BS – Computer Science and Engineering

- Minor in Behavioral Psychology
- Cumulative GPA: 3.78/4.0

Sep. 2020 – Jun 2024

Istanbul, Türkiye

Mälardalen University

Exchange – Socrates Erasmus, Computer Science

- GPA: 3.58/4.0

Aug. 2022 – Jan 2023

Västerås, Sweden

Experience

Sabancı University

Learning Assistant – Data Structures Course

- Assisting students with C++ programming projects, providing guidance on implementing data structures.
- Conducting weekly office hours to address student questions and provide support in understanding course materials.

Feb 2024 – June 2024

Istanbul, Türkiye

Azerbaijan National Academy of Sciences – Institute of Information Technology

Jul 2023 – Sep 2023

Data Science Intern

Baku, Azerbaijan

- Conducted in-depth analysis of clustering algorithm performance using scikit-learn on varied datasets, implementing effective data preprocessing techniques, and applying diverse clustering algorithms.
- Systematically evaluated algorithmic results, identified key metrics for improvement, and contributed to a comprehensive analysis, pinpointing factors influencing clustering outcomes and enhancing data analysis and machine learning skills with real-world datasets.

Projects

Smart Campus Visual Analytics | Bachelor's Thesis

- Designing and implementing a smart-campus solution for Sabancı University that involves utilizing visual analytics to monitor crowd density, strategically positioning cameras, streaming live feeds to a central server, and training and deploying Machine Learning models for crowd analytics.

Machine Learning and Image Classification with CIFAR10

- Utilized CIFAR10 dataset extensively, refining machine learning skills, optimizing models, and evaluating performance in image classification. Developed expertise in data augmentation, hyperparameter tuning, and managing intricate image datasets.

Global Health Data Analysis

- Engineered a database application with MySQL Workbench for global health data management. Utilized SQL for efficiency, Python for correlation visualization, and applied statistical calculations to derive insights and trends.

Integrated E-commerce Solution: Web and Mobile Application Development

- Led the team in crafting an e-commerce solution for "Sederex" leveraging Flutter SDK and Firebase, while adhering to Scrum and Agile methodologies to ensure streamlined software delivery.

Technical Skills

- **Languages:** Java, C/C++, Python, C#, R, SQL.
- **Technologies/Frameworks:** Linux, Docker, Kubernetes, PyTorch, Scikit-Learn.

Extracurricular

- **Project member** of kAi Sabancı, Europe's only AI and Machine Learning Club, recognized in the NVIDIA Student Network program and selected as one of four pilot student clubs globally.
- **Certifications:** Fundamentals of Deep Learning (Nvidia), Fundamentals of Accelerated Computing with CUDA C/C++ (Nvidia), Building Transformer-based NLP Applications (Nvidia).

Honors and Awards

- **Dean's List - High Honor:** Recognized for academic excellence on the Dean's List during the entire undergraduate program at Sabancı University.

Languages

- **Azeri** (Native), **English** (Proficient), **Russian** (Intermediate), **German** (Elementary)