AMIRALI AALI

M. Sc. Data Science Student

✉ amiraliaali@gmail.com   ☎ +49 15730272150   📍 Hansemannplatz, 52062, Aachen
🔗 amirali-aali-09240312b   🐙 amiraliaali

PROFILE

Passionate about AI and machine learning, I hold a Bachelor's degree in Software Engineering and am currently pursuing a Master's in Data Science. Eager to gain hands-on technical experience in AI/ML alongside my studies, I am dedicated to advancing my knowledge and skills in these fields.

TECHNICAL EXPERIENCE

Working Student For Data De-Identification

SAP

📅 May 2024 - Now   📍 Düsseldorf-Ratingen, Germany

- Worked within the anonymization team for data de-identification services at SAP.

Bachelor's Thesis Student

Aptiv

📅 Feb 2024 - Mar 2024   📍 Wuppertal, Germany

- Worked on the topic of *Street Lamp Area Detection* for my Thesis through a collaboration between University of Duisburg-Essen and Aptiv.

Working Student For Computer Vision/AI/ML

Aptiv

📅 Nov 2022 - Jan 2024   📍 Wuppertal, Germany

- Collaborated with a specialized team focused on high beam assistant for the Gen. 7 systems to create a smart system for cars to automatically control their high beams at night.

Tutor for the Course *Procedural Programming*

University of Duisburg-Essen

📅 May 2022 - Aug 2022   📍 Duisburg, Germany

- I supervised the labs for the subject of Procedural Programming, which involved programming in C.

EDUCATION

M. Sc. Data Science

RWTH Aachen University

📅 Apr 2024

B. Sc. Software Engineering

University of Duisburg-Essen

📅 Oct 2020 - Mar 2024

Thesis title: Street Lamp Area Detection using classical vision and CNNs
GPA: 1.7

Preparatory College

Freshman Program (FH-Aachen)

📅 Oct 2019 - Aug 2020

SKILLS

Python   Numpy
Pandas   Matplotlib
Machine Learning with Scikit-Learn
Deep Learning & CNN with PyTorch
Digital Image Processing with OpenCV

C/C++   PyBinds   Unit Testing
Bazel Build Framework
Run Time Profiling

Git   GitHub   Gerrit   Jira
Confluence   Microsoft Office   Latex

LANGUAGES

English   ●●●●●

German   ●●●●◐

Persian   ●●●●●

HONOURS & AWARDS

German National Scholarship - Deutschlandstipendium
RWTH Aachen University

📅 10.2024 - 10.2025

- Sponsor: Dr. Ing. h.c. F. Porsche AG

CERTIFICATES

Reinforcement Learning beginner to master - AI in Python
Udemy

Python for Data Science and Machine Learning
Udemy

Beginner C++ Programming - From Beginner to Beyond
Udemy

RECOMMENDATIONS

Markus Bühren
Manager Computer Vision at Aptiv

📅 May 23, 2024

I highly recommend Amir for any role in the field of artificial intelligence and machine learning. Throughout his time as a student at APTIV, he consistently demonstrated a deep understanding of AI and ML concepts, coupled with strong problem-solving and programming skills in Python and C++. He is adept at applying theoretical knowledge to real-world scenarios. His dedication to continuous learning and passion for the field make him an invaluable asset to any team. I have no doubt that he will excel in any role he takes on.
Recommendation can be found on my LinkedIn Homepage.
🔗 amirali-aali-09240312b

PROJECTS

Street Lamp Area Detections
Python, OpenCV, PyTorch, NumPy, Pandas

Traffic Signal Control
Python, PyTorch, Reinforcement Learning

Maze Solver
Python, PyTorch, Reinforcement Learning

Language Detector
Python, Pandas, NumPy, Scikit-Learn

Login System
C++, Bazel