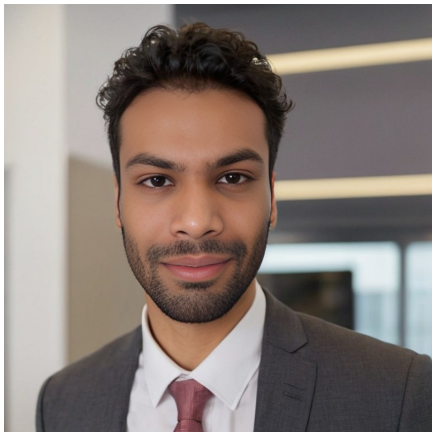

THARRMEEHAN KRISHNATHASAN

Bachelor in AI & Machine Learning HSLU

SKILLS

Python	4+ yrs
Java	2+ yrs
Git	5+ yrs
ML Operations	2+ yrs
Microsoft Word/Excel/Powerpoint	6+ yrs
MATLAB	3+ yrs
Wolfram Mathematica	2+ yrs
Microsoft PowerBI	2+ yrs

CONTACT

Spalierweg 4
5506 Mägenwil

+49 79 349 33 68

tharrmeehan@gmail.com

PROFILE

Bachelor graduate in AI & Machine Learning with a passion for anything to do with AI, especially in the field of NLP and Computer Vision in the medical field.

Always eager to learn new things and improve upon myself, with a technical flair and a pinch of creativity. Problem-solving is one of the strong suits, I posses.

Highly motivated to work in a team, both comfortable in big companies as in small teams, while also being able to work independently.

SKILLS SUMMARY

Problem Solving

Worked on a Natural Language Processing project for the Kaggle competition with two other team members. The goal of this competition was to evaluate student summaries, which helps students with summarizing their own essays thus improving their reading and writing skills

- Application of different NLP approaches, from N-Gram analysis to Transformer models
- Cleaning and preprocessing of text data
- Visualization and monitoring using Weights and Biases
- Hyperparameter tuning using Optuna
- Creation of ensemble models to improve final scores

Technologies include:

- Using NLTK for preprocessing and extracting useful information from data
- Scikit-Learn for various baseline machine learning models like simple neural networks and gradient boosting algorithms
- Pytorch for creation of RNNs and LSTMs
- Weights & Biases for monitor and visualizations of different metrics

Achievements include:

- Placed 975th place out of 2065 participants of different backgrounds
- Applying many different NLP skills to a practical project with a real world usecase

EDUCATION

2021 - 2024

Bachelor of Science Hochschule Luzern/FHZ in Artificial Intelligence and Machine Learning
Lucerne University of Applied Sciences and Arts

Acquirement of different machine learning and artificial intelligence skills, ranging from fundamental statistics and mathematics to reinforcement learning and computer vision.
Worked on many different projects, where skills could be applied.

CERTIFICATIONS

Cambridge C1 Advanced Certificate

Certificate designed for individuals seeking to demonstrate their advanced-level English proficiency.

- Efficient team work to ensure a good final result

Coding Skills

Worked on many different practical projects requiring coding skills, ranging from computer vision to data science often attaining good to very good grades.

- Continuously improved Python coding skills by application in projects
- Usage of Python skills in many different machine learning fields, like data visualization or reinforcement learning
- Additional Python problem solving on Hackerrank
- Usage of different libraries like TensorFlow/Keras, OpenCV or OpenAI Gym

Technologies include:

- Python for developement
- TensorFlow/Keras for Natural Language Processing and Computer Vision
- OpenAI Gymnasium and its successor for Reinforcement Learning projects
- Matplotlib, Seaborn, Plotly for visualizations
- Pandas and Numpy for manipulation of data(frames)

Achievements include:

- Consolidation of Python coding skills
- Knowledge in many different libraries, small and big alike
- Ability to approach ML problems in a traditional way, minimizing possibilities of mistakes