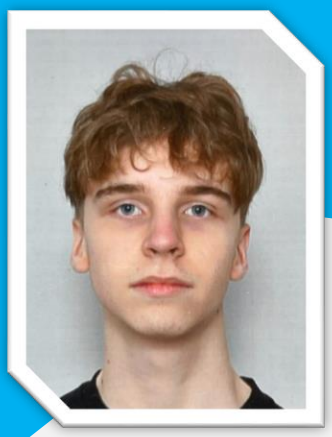

Robin (R.P.M.) Kras

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Socials
robkras.com
Kaggle: robkraseu
GitHub: rbkrs

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Languages
Dutch – Native
English – Bilingual
German – Limited
French – Limited

EDUCATION

Estimated finalisation Mid 2025

MSc Computer Science, Rijksuniversiteit Leiden

- Data Science & Artificial Intelligence specialization track

Dec 2023

BSc Computer Science, Vrije Universiteit Amsterdam

- Minor: Data Science

SKILLS

Programming: Python, JavaScript, Assembly, C, C++, SCALA

Technical skills: Keras, NumPy, Pandas, TensorFlow, (My)SQL, data manipulation, data visualization, machine learning, GIT, PowerPoint, web scraping, data mining, natural language processing

Personal skills: love of learning, time management, communication, leadership, management, excellent swimmer, adaptability

CERTIFICATES

English C1 Advanced
May 2018
Issued by Cambridge Assessment International Education

PROJECTS

Kaggle

Competition entries are regularly updated and stored on my domain (robkras.com).

Notable entries include:

- Rainfall prediction (30/2529): rainfall(robkras.com)
- Survival prediction (2359/15257): titanic(robkras.com)
- House pricing prediction (1424/3882): house-prices(robkras.com)

Machine Learning & Data Science

- Developed **supervised learning models** (XGBoost, kNN, Random Forest, Linear Regression) to predict rainfall and classify Titanic survival outcomes.
- **Optimized models** using GridSearchCV, achieving improved accuracy and efficiency.
- Engineered new features, handled missing data, and applied **one-hot encoding & label encoding** for categorical variables.
- Trained and fine-tuned **deep neural networks** using TensorFlow/Keras.

Data Processing & Analysis

- Conducted **Exploratory Data Analysis (EDA)** using Seaborn & Matplotlib to identify trends and correlations.
- Cleaned and preprocessed datasets using **Pandas & NumPy**, ensuring high-quality input data.
- Scaled numerical features using **StandardScaler** to improve model convergence.

Model Evaluation & Interpretability

- Assessed models with **RMSE, R^2, MAE, accuracy, and ROC-AUC scores** for performance benchmarking.
- Applied **SHAP values** for explainability and feature importance analysis.
- Used **SMOTE** to balance imbalanced datasets, improving prediction robustness.