

Orkun Şefik

Artificial Intelligence Graduate

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Professional Experience

Center for Neurogenomics and Cognitive Research (CNCR) – *Artificial Intelligence Intern, 2025*

- Developed a cell-type classification model from scratch, increasing accuracy by 24% to reach 92%.
- Collaborated with a multidisciplinary team to accurately impute biological data.
- Contributed significantly to the project throughout a 5-month internship period.

Vrije Universiteit Amsterdam – *Teaching Assistant, 2023–2025*

- Courses: *Introduction to AI (2023/24 & 2024/25)* and *Computational Thinking (2023/24 & 2024/25)*
- Actively taught course materials in practical sessions and work groups.
- Guided students in their projects, provided detailed feedback, and graded assignments.

Vrije Universiteit Amsterdam – *International Student Ambassador, 2023–2025*

- Represented the Faculty of Science at presentations and university events.
- Assisted international students and contributed to promotional initiatives.

ANKA Student Association – *Board Member, Head of IT Committee, 2025*

- Managed the organization's digital infrastructure and 300+ member database.
- Participated in meetings with officials and helped secure internship placements for students.

International Broadcasting Convention (IBC) – *Live Translator, 2024*

- Translated and facilitated business communications for Turkish companies during the event.
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Education

Vrije Universiteit Amsterdam – *BSc in Artificial Intelligence with Honours Distinction, 2022–2025*

- GPA: 7.7 / 10
- Graduated with *Honours Distinction*
- **Thesis:** *Classifying Mouse Brain Neurons while Preserving Biological Meaning* (Grade: 9/10)
- Minor: *Brain and Mind (Neuroscience)*

Saint Benoît French High School – *High School Diploma & French Baccalaureate Equivalency, 2017–2022*

- GPA: 93.9 / 100
 - Graduated with *Distinction*
 - Trilingual education (Turkish, French, English)
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Projects

- **Comprehensive Text Analysis (NERC):** Python (RoBERTa)
 - **Melanoma Detector from Images:** Python (Transfer Learning)
 - **Cell Type Classification Model:** R, Python (XGBoost)
 - **Path Finding Algorithms Simulator:** Python, Flask, HTML, CSS, JavaScript
 - **Schnapsen Tactical Analysis with ML Bots:** Python
 - **Conversational Recipe Helper:** Python, HTML, CSS, Prolog, DialogFlow, MARBEL
 - **Website & Database – ANKA Association:** HTML, CSS, JS, SQL, Node.js, MongoDB, Render
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Skills

Programming Languages: Python, R, MATLAB, HTML, CSS, JavaScript (TypeScript), Prolog, MARBEL, SQL, Bash/Shell

Frameworks & Tools: Docker, Cursor, OpenSesame, Ollama, Anaconda, Homebrew, Flask, Node.js, MongoDB, DialogFlow, Protégé, Render

Machine Learning & Data Science:

- *Algorithms:* Supervised & Unsupervised Learning, Ensemble Methods, Transfer Learning
- *Deep Learning:* Neural Networks, CNNs, RNNs, LSTMs, Transformers (RoBERTa, BERT)
- *NLP:* NER, Text Classification, Sentiment Analysis
- *Optimization & Explainability:* Hyperparameter Tuning, SHAP, LIME

- *Libraries:* scikit-learn, Pandas, NumPy, SciPy
 - *Visualization:* Matplotlib, Seaborn, Plotly
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Sports & Awards

Track & Field (2018–2022)

- 2nd – National Championships 100m (U17)
- 3rd – National Championships 100m (U18)
- 2nd – Turkish Clubs League 100m (U18 & U20)
- 3rd – Turkish Super League 4x100m (Senior Category)

Flag Football (2019–2020)

- Turkish National Champion (Running Back)
 - Scored 20 of the team's 72 total points during the championship
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Languages

- **Turkish:** Native
 - **English:** C1 (IELTS 7.5)
 - **French:** B2 (DELF B2)
 - **Dutch:** A1
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References

Fatma Ceren Yazgan – Ambassador of the Republic of Türkiye to the Kingdom of the Netherlands -> Knows Orkun through ANKA Association

Christiaan de Kock – Associate Professor, Vrije Universiteit Amsterdam -> Knows Orkun through being his supervisor in his role as AI Intern at CNCR and also through being his professor at uni.