

AKSHAY ASHOK

M.Sc. Data Science & Artificial Intelligence | Saarland University

Saarbrücken, Germany

(+49) 152 1063 1522 | akshay57ax@gmail.com | linkedin.com/in/akshay-a-ax13 | github.com/Axwolf13

PROFILE

Master's student in Data Science & AI (4th semester) with applied experience in machine learning, NLP, statistical analysis and computer vision. Recent work spans NLP-based deception detection on legal documents, quantitative analysis of digital media markets (HHI, Google Trends) and a published computer vision project on real-time pose estimation. Seeking Werkstudent, HiWi or internship roles in ML, data science or applied AI from August 2026.

EDUCATION

M.Sc. Data Science & Artificial Intelligence · Saarland University *Oct 2024 – Present*
Coursework: Statistics with R, Human-Computer Interaction, Data and Society. Current seminar: Machine Learning for Language Processing.

B.Tech. Artificial Intelligence & Data Science · Bannari Amman Institute of Technology *Oct 2020 – Apr 2024*
CGPA: 8.65 / 10. Bachelor's thesis: LipSyncProbe Decoder for Hearing Impaired Individuals (LipNet-based visual speech recognition).

EXPERIENCE

Student Consultant (AI / Data Science) · Lingomatch GmbH · Saarbrücken *Apr 2026 – Present*

- Selected for Triathlon's Case Study Program (Startup Edition) at the UdS Innovation Center; collaborating with an interdisciplinary CS + Business team on a feasibility study for Lingomatch, a Gov / Justice-Tech language-services platform for German public authorities.

Research Intern (Computer Vision) · National Institute of Technology, Puducherry *Jan – Apr 2024*

- Built a real-time yoga pose estimation pipeline with a hybrid MoveNet Thunder (training) + MoveNet Lightning (inference) architecture, classifying 11 common yoga asanas at 99% accuracy on a 3,400-image dataset. First-authored peer-reviewed publication in Sādhana (Indian Academy of Sciences, Springer, 2025).

Web Development Intern · Zoho Corporation, Chennai, India *Aug – Sep 2023*

- Built a full-stack library management web application with an integrated content-based book recommender (HTML/CSS, JavaScript, SQL).

SELECTED PROJECTS

Shadow Correction — How Piracy Corrects Digital Media Market Gaps · Data and Society, UdS · Team of 3

- Tested the hypothesis that piracy is a market-correction signal rather than purely a criminal one, using economic, preservation and fragmentation barriers as analytical lenses.
- Quantified streaming market fragmentation with the Herfindahl-Hirschman Index (HHI) on Parrot Analytics demand-share data; correlated declining HHI with the 2023 surge in global piracy visits (MUSO, ~141B visits).
- Built piracy-intent indices from Google Trends and aligned them with World Bank PPP-adjusted hourly wages across 90+ countries; designed analyses (Pearson correlation, Interrupted Time Series) for the next phase.

DODI — NLP-Based Quantification of Deception in Terms-of-Service Documents

- Applied NLP techniques to a corpus of consumer-facing ToS documents to surface and quantify deceptive linguistic patterns (vague obligations, asymmetric terms, dark-pattern phrasing); built a reproducible Python pipeline with clause-level metrics and document-level deception scores.

TECHNICAL SKILLS & LANGUAGES

Languages & Tools: Python, R, SQL, JavaScript, C, HTML/CSS; PyTorch, scikit-learn, TensorFlow, pandas, NumPy, matplotlib; Git, VS Code, Jupyter, Anaconda, LaTeX.

Methods: Classical ML & deep learning, model evaluation; linear & logistic regression, mixed-effects models (lmer / glmer), hypothesis testing, time-series and event-study design; NLP (text preprocessing, embeddings, transformer-based models); web scraping and public-data integration.

Spoken languages: English (C1), German (A2, targeting B1), Tamil (native), Hindi (basic).