



Jayanth Siddamsetty

Curriculum Vitae

Work Experience

Jun 2022 – **Researcher**, *DFKI GmbH*, Kaiserslautern.

- Present
- TrustifAI: Developing a test platform to evaluate trustworthiness of AI systems. Focus on Robustness and compliance.
 - *IQZ Kaiserslautern*: Consulting SMEs with use and development of trustworthy AI.
 - Sanierungsquotenatlas: Applied deep learning to remote sensing data to predict the energy efficiency of buildings.
 - Yield Consortium: Applied transfer learning to use yield prediction models trained with images from other regions.
 - Change detection: Developed a prototype change detection system that can be adopted to various downstream tasks, including mining detection, deforestation monitoring, and wildfire detection.
 - AI4EO Solution factory: Contributed to developing a Python library to help researchers in Earth Observation rapidly prototype their deep learning-based solutions.
 - Worked on Land Use Land Cover classification models and their transferability to other regions using domain adaptation.
 - Supervised master theses, student projects and seminars in Applied AI.

Feb 2022 – **Student Assistant**, *Chair of Digital Farming, University of Kaiserslautern*,
May 2022 Kaiserslautern.

- Studied the application of Explainable AI in Digital farming applications

Apr 2021 – **Research Assistant**, *Fraunhofer ITWM*, Kaiserslautern.

- May 2022
- Upwards: Used machine learning methods to optimize the placement of wind turbines inside wind park to maximize power generation.
 - OpenMeter: Worked on time series forecasting of energy consumption by public buildings using Facebook prophet
 - Developing dashboards using Dash and plotly

Nov 2020 – **Student Research Assistant**, *Fraunhofer IESE*, Kaiserslautern, Department of
Mar 2021 Security Engineering.

- IND²UCE: Developed web services to implement location-based data usage control for Gaia-X, a large European initiative using Java and Spring Boot.
- Worked with RDF files and SPARQL to implement parts of the web service

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🔗 [LinkedIn](#) - Jayanth Siddamsetty

- Jul 2017– Jul 2019 **Software Engineer**, *Societe Generale Global Solution Centre*, Bengaluru, India.
- Automated and simplified the process of creating new trading instruments in the referential system by developing a web application
 - Participated in the development of a machine-learning-based predictive maintenance system for our referential system

Education

- Oct 2019 – Apr 2022 **Masters in Computer Science**, *University of Kaiserslautern*, Kaiserslautern.
- Grade: 1.6
- Specialized in Intelligent Systems
 - *Thesis*: Land Cover Land Use Classification using Deep Learning
- Aug 2013 – Jun 2017 **Bachelor of Engineering**, *Visvesvaraya Technological University*, Karnataka, India, GPA:8.2.
- Information Science and Engineering, First Class with Distinction

Publications

- 2023 **Inter-region Transfer Learning for Land Use Land Cover Classification**, *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*.
More publications can be found [here](#)

Certifications

- March 2025 **ISO/IEC 42001 Provisional Implementer**.
Issued by PECB. Requires passing the ISO/IEC 42001 Lead Implementer Exam. Click [here](#) to verify my certificate
- Jan 2024 **Ethics of AI**.
Course certificate issued by University of Helsinki
- 2025 **AI in Society: Introduction, Discrimination, Justice, and Democracy**.

Skills

AI Development: PyTorch, Hands on with HPC Clusters, Slurm, Computer Vision and LLM Finetuning, Agents, RAG

Machine Learning: numpy, pandas, sklearn, cv2, Time series analysis and forecasting

Programming: Python, Java, and Typescript

Web Development: Spring Boot, REST and Angular

Databases: SQL

Languages

German (B2.1), English (Fluent) and Kannada (Native)

Volunteering

- Oct 2015 – Mar 2018 **Ed-Support Volunteer & Mentor**, *Make a Difference*, Bengaluru, [makeadiff.in](#).
- Taught Mathematics and English to underprivileged children, and
 - Mentored other volunteers

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