# Sai Suresh Macharla Vasu

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## EDUCATION

**Saarland University**, Saarbrücken, Germany                                              Oct 2023 – Present
*Master of Science in Data Science and Artificial Intelligence (DSAI)*
Current Grade: 1.6

**Anna University**, Chennai, India                                                        Aug 2017 – Aug 2021
*Bachelor of Engineering in Computer Science and Engineering*
Final Grade: 8.92 CGPA ($\approx$ 1.8 GPA on the German grading scale)

## ACADEMIC/WORK EXPERIENCE

**CISPA Helmholtz Center for Information Security**, Saarbrücken, Germany
*Student Research Assistant – Trustworthy ML*                                              Dec 2025 – Present

- Conducting research on **LLM reviewer bias**, studying how author identity, affiliation, and writing style influence automated and human peer-review outcomes.
- Investigating **mental modeling and personalization in conversational AI**, focusing on knowledge representation and provenance tracking for adaptive dialogue systems.

**AI Safety Saarland Research Group**, Saarbrücken, Germany
*Research Fellow – AI Safety Saarland Incubator*                                           Oct 2025 – Feb 2026

- Working as a research fellow with Dr. Indira Sen on social biases in multimodal LLMs.

**Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI)**, Saarbrücken, Germany
*Student Research Assistant – Interactive Machine Learning Group*                          Jul 2024 – Nov 2025

- **AuditCopilot: Fraud Detection with LLMs** — achieved interpretable tax anomaly detection surpassing traditional audit tests.
- Designed **model faithfulness evaluations** via counterfactual generation and post-hoc explanation techniques for financial anomaly detection.

**Saarland University**, Saarbrücken, Germany
*Teaching Assistant / Head Tutor – Machine Learning Courses*                               Nov 2024 – Feb 2026

- Served as **Head Tutor for Elements of Machine Learning (WS 25/26)** under Prof. Dr. Isabel Valera; previously worked as a tutor for **Machine Learning (SS 25)** under Prof. Dr. Peter Ochs and **Elements of Machine Learning (WS 24/25)**.

## PUBLICATIONS

- **Macharla Vasu, S. S.**, Sheth, I., Wang, H.-P., Binkyte, R., Fritz, M. (2025). Justice in Judgment: Unveiling (Hidden) Bias in LLM-assisted Peer Reviews. **NeurIPS 2025 Workshop on LLM Evaluation**. arXiv:2509.13400
- Kempermann, M. L., **Macharla Vasu, S. S.**, Raveenthiran, M., Weber, I. (2026). Challenges of Evaluating LLM Safety for User Welfare. Accepted to the **International Association for Safe & Ethical AI (IASEAI'26)**. arXiv:2512.10687
- Kadir, M. A., **Macharla Vasu, S. S.**, Nair, S. S., Sonntag, D. (2025). AuditCopilot: Leveraging LLMs for Fraud Detection in Double-Entry Bookkeeping. **NeurIPS 2025 Workshop on Generative AI in Finance**. arXiv:2512.02726

## AWARDS

**Saarland Scholarship for International Students**                                        Saarbrücken, Germany
*StudienStiftungSaar & Saarland Ministry of Finance and Science*                           Summer Semester 2025
Awarded for outstanding academic performance during the M.Sc. in Data Science and Artificial Intelligence at Saarland University.

**President Scout (Pfadfinder) Award**                                                     New Delhi, India
*The Bharat(Indian) Scouts and Guides, presented by the Former President of India, Mr. Pranab Mukherjee*     Dec 2016
National-level distinction recognizing excellence in leadership, community service, and citizenship.