



## Sai Suresh Macharla Vasu

**Nationality:** Indian **Date of birth:** 21 Oct 1999 **Gender:** Male **Phone:** (+49) 15738241524

**Email:** [saisuresh1999@gmail.com](mailto:saisuresh1999@gmail.com) **Email:** [sama00014@stud.uni-saarland.de](mailto:sama00014@stud.uni-saarland.de)

**LinkedIn:** <https://www.linkedin.com/in/sai-suresh-macharla-vasu/>

**Home:** Am Gehlenberg 04, 66125 Saarbrücken (Germany)

### WORK EXPERIENCE

**Deutsches Forschungszentrum für Künstliche Intelligenz GmbH (DFKI)** – Saarbrücken, Germany

City: Saarbrücken | Country: Germany

**Research Assistant**

[ 15 Jul 2024 – 30 Nov 2025 ]

Developed frameworks for LLM-driven anomaly detection.  
Applied XAI techniques to improve model transparency and interpretability.  
14 hours per week.

**Saarland University** – Saarbrücken

City: Saarbrücken

**Head Tutor - Elements of Machine Learning WS 25/26**

[ 1 Oct 2025 – 28 Feb 2026 ]

Managed and coordinated a team of tutors. Assisted tutors with grading and correction processes.  
6 hours per week.

**Saarland University** – Saarbrücken, Germany

City: Saarbrücken | Country: Germany

**Tutor - Machine Learning SS 25**

[ 1 Apr 2025 – 30 Sep 2025 ]

Led tutorials under Prof. Dr. Peter Ochs, focusing on the mathematical foundations and derivations of core ML algorithms.  
5 hours per week.

**Saarland University** – Saarbrücken, Germany

City: Saarbrücken | Country: Germany

**Tutor - Elements of Machine Learning WS 24/25**

[ 1 Nov 2024 – 31 Mar 2025 ]

Led tutorials under Prof. Dr. Isabel Valera, emphasizing conceptual understanding and intuition behind fundamental ML methods.  
6 hours per week.

**Sirius, A CDW Company** – Chennai, India

City: Chennai | Country: India

**Associate Consultant - Data Engineer**

[ 1 Jul 2021 – 28 Feb 2023 ]

Built and maintained ELT pipelines in Snowflake, developed data systems, and performed SQL-based analysis and reporting.  
40 hours per week

### EDUCATION AND TRAINING

**Masters in Data Science and AI**

**Saarland University** [ Oct 2023 – Current ]

City: Saarbrücken | Country: Germany | Final grade: 1.6 (ongoing)

**B.E Computer Science and Engineering**  
**Anna University** [ Aug 2017 – Aug 2021 ]  
City: Chennai | Country: India | Final grade: 8.92 CGPA

CONFERENCES & SEMINARS

- NeurIPS 2025 Workshop**
- **Macharla Vasu, S. S.**, Sheth, I., Wang, H.-P., Binkyte, R., Fritz, M. "Justice in Judgment: Unveiling (Hidden) Bias in LLMassisted Peer Reviews", NeurIPS 2025 Workshop: LLM Evaluation
  - Kadir, M. A., **Macharla Vasu, S. S.**, Nair, S. S., Sonntag, D. "AuditCopilot: Leveraging LLMs for Fraud Detection in Double-Entry Bookkeeping", NeurIPS 2025 Workshop: Generative AI in Finance

PROJECTS

- [ Jul 2024 – Sep 2024 ]
- Restoring Greek Sculptures with Inpainting and 3D Reconstruction** Developed a deep learning-based model using U-Net and GANs for inpainting and 3D reconstruction of damaged Greek sculptures, focusing on restoring missing or deteriorated parts and enhancing image quality with Dust3r for 3D volume reconstruction.
- [ Feb 2024 – Mar 2024 ]
- 3D Reconstruction** Reconstructed point clouds and camera poses from object views and filtered 2D correspondences. Extracted and filtered features without 2D correspondences to achieve the same reconstruction goals.

HONOURS AND AWARDS

- StudienStiftungSaar & Saarland Ministry of Finance and Science
- Saarland Scholarship for International Students** Awarded for academic merit during Master's studies.University: Universität des SaarlandesSemester: Summer Semester 2025
- [ 5 Dec 2016 ] The National Scouts and Guides
- Rashtrapati Scout(Pfadfinder) Award** The Former President of India, Mr Pranab Mukherjee presented the Rashtrapati Scout(Pfadfinder) Award at a function held at the official residence of the President of India on December 5, 2016.

VOLUNTEERING

- World Organization of the Scout(Pfadfinder) Movement**
- To achieve our entire physical, intellectual, social and spiritual potentials as individuals, responsible citizens and members of the local, national and international communities.

LANGUAGE SKILLS

**Mother tongue(s):** Telugu | Tamil

**Other language(s):**

<b>English</b>	<b>German</b>
<b>LISTENING C2 READING C1 WRITING B2</b>	<b>LISTENING B1 READING B1 WRITING B1</b>
<b>SPOKEN PRODUCTION C1 SPOKEN INTERACTION B2</b>	<b>SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1</b>

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

EXTRACURRICULAR ACTIVITIES

- Chess**
- 3-time Anna University Zonal Chess Tournament Winners
  - International FIDE Rated Player