



GARIMA SWAMI

SOFTWARE DEVELOPER | AI ENGINEER

Cottbus, Germany | Garimaswami646@gmail.com |
[linkedin.com](https://www.linkedin.com) | [GitHub](https://github.com) | [Portfolio - garimaswami](https://portfolio-garimaswami.com)

EDUCATION

M.Sc. in Artificial Intelligence
[Brandenburgische Technische Universität | Germany](#)

10/2025 - Present

B.Sc. in Computer Science
[M.S. Ramaiah University of Applied Sciences | Bengaluru, India](#)

2021 - 2024

- GPA: 1.9/4.0

WORK EXPERIENCE

Software Developer | [CodingPro | Bengaluru, India](#)

07/2024 – 04/2025

- Developed full-stack AI-driven campus platform applications using Python and web technologies.
- Contributed to enterprise AI Copilot project (Planto.ai), improving workflow efficiency by ~25%.
- Integrated LLM-based automation workflows using Python + REST APIs.
- Collaborated in agile environment delivering scalable AI-enabled features.

Software Developer | [Indian Space Research Organisation | Bengaluru](#)

02/2024 – 05/2024

- Developed reliability software to calculate FMECA for satellite subsystems.
- Built Linux-based analysis and online reporting generation system from master library.
- Implemented Java-based frontend/backend logic for component failure rate computation.

Full Stack Intern | [Municipal Corporation of Delhi | Delhi, India](#)

06/2023 – 07/2023

- Developed frontend components and databases for waste-clearing survey applications.
- Contributed to smart urban waste management solutions using Java, IoT, GIS, and geotagging.

PROFESSIONAL SKILL

AI Engineering & Machine Learning : Python, PyTorch, TensorFlow, scikit-learn, Hugging Face, NLP, Large Language Models (LLMs), Prompt Engineering, Retrieval-Augmented Generation (RAG), Computer Vision, Model Training & Evaluation

Data Science & Scientific Computing : NumPy, pandas, SciPy, Data preprocessing, Feature engineering, Statistical analysis

Software Engineering : Java, JavaScript, REST APIs, Object-Oriented Programming, Linux, Software Development

MLOps & Deployment : Docker, Git, GitHub, CI/CD, AWS (SageMaker), Model deployment basics

Databases : SQL, MySQL

Visualization & Tools : Matplotlib, Seaborn, Jupyter Notebook

PROJECTS | [Github](#)

- **Voice-Activated Employee Information System (ISRO)**: Built a real-time speech recognition system for automated employee information retrieval.
- **Braitenberg Vehicle Simulation**: Implemented a Python-based autonomous agent simulation to study emergent behavior from sensor-motor interactions.
- **AI-Powered Push-Up Trainer**: Built a computer vision fitness assistant using OpenCV and MediaPipe for real-time push-up counting and form correction.

PUBLICATIONS

- [Early detection of dyslexia Using Multimodal Analysis, INCOFT, 2025](#)
- [WeSAFE : Enhancing Human Security Mobile Application, IJIRCCE, 2023](#)