



GARIMA SWAMI

SOFTWARE DEVELOPER | AI ENGINEER

Cottbus, Germany | Garimaswami646@gmail.com |

[linkedin.com](https://www.linkedin.com/in/garimaswami/) | [GitHub](https://github.com/garimaswami) | [Portfolio - garimaswami](https://portfolio-garimaswami.netlify.app)

EDUCATION

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|---|-------------------|
| 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 |
| <ul style="list-style-type: none">GPA: 1.9/4.0 | |

WORK EXPERIENCE

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| Software Developer CodingPro Bengaluru, India | 07/2024 – 04/2025 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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](#)