GARIMA SWAMI

Cottbus, Germany |garimaswami646@gmail.com |LinkedIn:linkedin.com/in/garimaswami|Portfolio: garimaswami.vercel.app

Aspiring AI Engineer actively building skills in machine learning and deep learning, with hands-on experience across supervised and unsupervised learning. Currently developing scalable ML systems using Python, PyTorch, and scikit-learn, with growing exposure to computer vision, NLP, and cloud-native deployment using Docker and AWS.

EDUCATION

M.Sc. in Artificial Intelligence | Brandenburg University of Technology Cottbus | Germany   10/2025 – Present

Relevant Coursework: Artificial Intelligence, Learning in real and virtual humans, Explainable Machine Learning, Practical Lab (Braitenberg Vehicles)

B.Sc. in Computer Science | M.S. Ramaiah University of Applied Sciences | Bengaluru, India 11/2021 – 06/2024

GPA: 1.9/4.0 | Thesis: Reliability Software for Calculating FMECA for Spacecraft

EXPERIENCE

Software Developer | Coding Pro | Bengaluru, India   07/2024 – 04/2025
- Developed AI-enabled web and application interfaces for an AI-driven campus platform.
- Supported enterprise Copilot projects (including UNO Bank), improving workflow efficiency by ~25%.
- Conducted feasibility research on Large Language Models (LLMs) and competing AI solutions.

Software Developer, Project Trainee |Indian Space Research Organisation |Bengaluru, India 02/2024 – 05/2024
- Automated FMECA reliability analysis on Linux, cutting manual effort ~40%.
- Built computational & ML models for satellite subsystems using Python, JavaScript**.**
- Developed failure simulation models and structured parts libraries with Vim/Linux**.**
- Created a voice-based attendance prediction system using Python (Librosa, scikit-learn, TensorFlow)**.**

Full Stack Intern | Municipal Corporation of Delhi | Delhi, India   05/2023 – 08/2023
- Developed frontend components and databases for waste-clearing survey applications.
- Contributed to smart urban waste management solutions using Java, IoT, GIS, and geotagging.

SKILLS

Programming Languages:	Python, JavaScript, Java, MATLAB, HTML, CSS
Libraries & Frameworks:	PyTorch, scikit-learn, NumPy, Pandas, SciPy, Hugging Face Transformers,
Backend & ML APIs / MLOps & Deployment:	OpenCV, MediaPipe, Librosa, FFmpeg, Pygame, AWS SageMaker FastAPI, Docker, Git, GitHub, Linux, Vim.
Databases & Data Engineering:	SQL, MySQL, PostgreSQL
Data Visualization & Analysis:	Matplotlib, Seaborn, Jupyter Notebook
Other:	Redux, API Integration, CI/CD, Agile Methodologies

PROJECTS | GITHUB

AI Interview Coach: Full-stack system with FastAPI, React, Python, NLP, Transformer Models

AI-Powered Push-Up Trainer: Computer Vision fitness assistant using OpenCV, MediaPipe, Python

Automated Job Market Intelligence System: End-to-end data pipeline, web scraping, Python, Pandas, SQL

Real-Time Hand Gesture Recognition: Computer vision system using OpenCV, MediaPipe, Python

Behavior-Based Autonomous Agent Simulation: Braitenberg Vehicle simulation using Python, Pygame, Math, Rando

PUBLICATIONS

Early Detection of Dyslexia Using Multimodal Analysis, INCOFT, 2025   WeSafe: Enhancing Human Security Mobile Application, IJIRCCE, 2023