



RAKSHA SHIVAMOGGA GOPALAKRISHNA

AI Software Engineering professional with a strong foundation in designing and deploying intelligent systems in cloud and on-premise environments. Currently pursuing a Master's in AI and Data Science, with hands-on experience in LLM integration, containerization, and cloud-native AI solutions.

CONTACT

- Deggendorf, Germany
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WEBSITES & PROFILES

- raksha0609.github.io/Portfolio_raksha/
- linkedin.com/in/raksha-sg-

SKILLS & TOOLS

Languages: Python, Java, SQL, Bash

Frameworks: PyTorch, TensorFlow, Hugging Face, LangChain, FastAPI

Cloud & DevOps: AWS (basic), Azure (basic), Docker, Kubernetes, GitLab CI/CD, Jenkins, Terraform (intro)

Big Data: Spark (intro), Hadoop (conceptual)

Concepts: AI Architecture, Cloud MLOps, NLP Pipelines, On-premise AI Systems, Prompt Engineering

LANGUAGES

English: Full Professional Proficiency

German: Intermediate

Kannada: Full Professional Proficiency

EXPERIENCE

February 2026 -
Current

Working Student – AI Software Engineer

PraxioTech, Frankfurt Am Main, Germany

- Built structured restaurant data models to support benchmarking and competitive analysis.
- Developed ETL workflows for data cleaning, validation, and transformation into analysis-ready datasets.
- Contributed to multi-dimensional scoring logic for restaurant performance evaluation.
- Supported development of web-based dashboards for visualizing benchmarking insights and competitive positioning.

August 2024 -
November 2024

Software Developer Intern

Ausbildungsbasis, Frankfurt (Remote)

- Designed modular AI architecture connecting NLP models with backend systems via REST APIs.
- Translated business hiring requirements into scalable AI matching workflows.
- Collaborated with founders to define technical roadmap for AI integration into web platform.
- Contributed to system-level decisions involving data pipelines, model deployment, and platform scalability.

August 2021 -
November 2021

Technical Intern

10 Seconds, Bangalore

- Contributed to modular backend and API workflows for web-based systems.
- Participated in project delivery planning and agile cycles.

EDUCATION

Expected
November 2026

Master of Artificial Intelligence and Data Science

Technische Hochschule Deggendorf, Germany

Expected
November 2026

Master of Artificial Intelligence and Data Science

University of South Bohemia, Czech Republic

July 2022

Bachelor of Engineering: Electronics and Communication

Jawaharlal Nehru College of Engineering, India

Object-Oriented Programming, Embedded Systems, Cloud Tools

PERSONAL PROJECTS

- **AFFAIR** – A Framework for Arbitrary Image Registration (Master's Thesis)
- **DevPrompter** – AI-Based Prompt Engineering Tool
- **Virtual Air Canvas** – Real-Time Gesture-Based Drawing System
- **Network Security** – Traffic Monitoring & Threat Detection System
- **Gene Expression Analysis** – RNA-Seq Differential Expression Pipeline
- **Face Detection** – Real-Time Computer Vision Application (OpenCV)

CERTIFICATIONS

LangChain for LLM Applications

AI Architecture Fundamentals (internal project-based)

Python for Machine Learning

TensorFlow and Keras Introduction

SOCIAL SKILLS

Empowering women by imparting clubs for social/economical activities and digital awareness.