Nandakrishnan Rajeev

Master's student in Artificial Intelligence

Email • Phone • Linkedin • Github

AI/ML Engineer with a reputation for speed and execution. I'm a quick learner who delivers -whether it's researching market opportunities, identifying leads, building prototypes, or deploying production systems.Before writing a single line of code, I study the environment, understand stakeholder needs, and map the shortest path to impact. This approach has consistently helped me (and my teams) avoid wasted resources and reach smart conclusions faster. I actively pursue certifications and technical badges because they've repeatedly proven useful in real scenarios. My work speaks for itself : Github

EXPERIENCE

Maschinenfabrik Reinhausen (MR), Regensburg, Germany

Intern, werkstudent, Master Thesis student   *Feb 2025– Present*

- Built a test automation framework for power-electronics converters using Python and C++; integrated CI/CD with Jira, cutting testing cycles by ~40% and improving release confidence.
- Currently building Agentic AI framework for enterprise grade(MR) as part of my master thesis project.

BMW AG, Regensburg, Germany

Production Test and Validation Intern   *Apr 2024–Aug 2024*

- Streamlined production processes with lean principles to improve efficiency and reduce waste in the supply chain.
- Executed end-to-end and unit testing on finished products; flagged defects and collaborated with QA to resolve issues.

Riglabs, India

Co-founder   *Jan 2022–Aug 2023*

- Experience in leadership and team management.
- Planning and organizing events with students and professionals.
- Practical experience in controlling and finance.

SKILLS & INTERESTS

Technical Python, C++, PyTorch, TensorFlow, RAG, LLM fine-tuning (LoRA/QLoRA), RL, MATLAB, Simulink, LabVIEW, Docker, Git, AWS Lambda/SageMaker, Hugging Face, Linux, Raspberry Pi, PROFINET, TCP/IP, Modbus, SCADA.

Languages English (C1), German (B1), Hindi (Fluent), Malayalam (Native).

Interests Travel, surfing, Fitness, Reading

PROJECTS

Design and Evaluation of Agentic AI framework for Maschinenfabrik Reinhausen

Master Thesis   *2026*

- Designed an anomaly-detection pipeline and deployed to an embedded target integrated with vehicle systems.

- Tech:Python, LangGraph, Deployment, AI tools, Azure.

Adaptive AI Agent for LLM Optimization on Edge Devices

Prototype microservice *2025*

- Built a GenAI agent to manage LLM resource usage on constrained hardware.

- Used prompt routing and lightweight model switching (e.g., DistilGPT-2 vs. GPT-J) to balance response quality vs. latency.

- Deployed as a Docker microservice; profiled latency on AWS Lambda and simulated Raspberry Pi 5.

- Tech: Hugging Face Transformers, PyTorch, RLlib, Docker, AWS Lambda.

EDUCATION

Technische Hochschule Deggendorf, Campus Cham (Germany)

M.Eng., Artificial Intelligence in Digital Production *2023–2025*

- Coursework: Artificial Intelligence, Machine Learning, Data Science, Big Data, LLMs, AI Agents, NLP, Tableau.

Model Engineering College, Kochi (India)

B.Tech., Electronics and Communication *2018–2022*

- Bachelor's Thesis: Adaptive Beamforming with MVDR (Minimum Variance Distortionless Response).

- Academic Award: Prime Minister's Scholarship of India.

CERTIFICATION & AWARDS

Prime Minister's Scholarship of India (Academic Award)	2018–2022
CERN Summer Student Programme — Intensive CS Research (Germany)	2024
International Conference on Machine Learning and Cybernetics (Netherlands) — Invitation	2024
ViennaUP (Austria) — Participant	2024
GitHub Campus Advisor — Student engagement and collaboration	2024
Global Volunteer, Girl Up (UN program for gender equality)	2024
Führerschein - klasse B	2025