

Jayesh Choudhari | AI Engineer

Berlin, Germany

+49 176 266 743 73 • jayeshchoudhari0@gmail.com
[ravevx.github.io/portfolio](https://github.com/ravevx) • [in rav3vx](https://www.linkedin.com/in/rav3vx) • [Ravevx](https://www.youtube.com/channel/UCRavevx)

Professional Summary

AI Engineer with 2+ years of experience with strong background in Machine Learning and NLP, along with expertise in developing scalable AI solutions. Currently pursuing M. Sc. in Cognitive Systems (AI) at Universität Potsdam.

Education

Universität Potsdam <i>Master of Science in Cognitive Systems (AI)</i>	Germany 2024–Present
Bharati Vidyapeeth University <i>Master of Computer Applications</i>	India 2021–2023
Savitribai Phule Pune University <i>Bachelor of Computer Applications</i>	India 2018–2021

Professional Experience

T.A.S Force <i>AI Engineer</i>	Hamburg, Germany June 2025–Present
Building enterprise AI applications using LLMs, AI Agents, RAG pipelines, handling cloud infrastructure, CI/CD pipelines, and workflow automation for enterprise use cases.	
Rovren <i>AI Researcher Intern</i>	California, United States May 2024–Sept 2024
- Created algorithms for an image processing and computer vision platform. - Collaborated with Senior Image Processing Scientists to implement algorithms for medical/scientific image analysis.	
Artbider <i>AI Consultant (part-time)</i>	London, United Kingdom June 2023–May 2024
- Developed and deployed an end-to-end conversational AI system for real-time customer support via Phone calls, integrating speech-to-text, retrieved relevant knowledge via ChromaDB-based RAG, generated responses with GPT models, and text-to-speech pipelines. - Improved response time and customer satisfaction, reducing hallucinations with complete customer support automation.	
Dawn Digitech <i>AI Researcher Intern</i>	India Feb 2023–June 2023
Developed an Automated Answer Checking ML system utilizing NLTK, SpaCy, and ML algorithms for semantic analysis and grading of answer sheets with intelligent feedback generation.	

Technical Skills

Programming/Development: Python, Git, SQL, MongoDB, Jupyter, Django, FastAPI
AI/ML Frameworks: PyTorch, TensorFlow, Scikit-learn, Hugging Face Transformers, OpenAI
Data Science: NumPy, Pandas, Feature Engineering, Model Evaluation, Statistical Analysis
NLP & LLMs: Fine-tuning, Prompt Engineering, Semantic Analysis, Text Classification
Agentic AI & LLM Systems: Multi-Agent Systems, Agent Orchestration, RAG, Knowledge retrieval
Computer Vision: OpenCV, Image Segmentation, Object Detection, CNNs, Image Classification
MLOps & Cloud: AWS, Azure, Docker, GitHub Actions, CI/CD, REST APIs

Key Projects

Azure Enterprise Agentic Rag: An AI assistant that retrieves, reasons, and responds using a multi-tool agentic pipeline deployed on Azure with automated CI/CD via GitHub Actions.

Agentic GitHub Code Reviewer: Developed a privacy-preserving code review system using LangGraph, RAG, and local LLMs to identify bugs, security risks, and performance issues in GitHub repositories.

Research Paper to full Code Pipeline: Created an Analyst-Architect-Coder agent workflow using CrewAI and FAISS that transforms research papers into deployable software projects.

Explainable Autonomous Driving: Designed a post-hoc XAI framework for autonomous driving using EfficientNet-B0, and human-in-the-loop learning to predict and audit 5 vehicle actions with continuous feedback retraining.

Explainable Pneumonia Detection: Built an explainable medical AI framework achieving AUC > 0.98, evaluating the trustworthiness of CNNs and Vision Transformers using Grad-CAM-based faithfulness, and concentration.

Certifications

Indian Space Research Organisation (ISRO)

AI/ML for Geodata Analysis

August 2024

Acquired expertise in AI-driven geospatial data analysis, covering ML and DL architectures like CNN, RNN, RCNN, and YOLO. Gained hands-on experience in geospatial ML workflows using Google Earth Engine and Python, focusing on spaceborne data processing for complex environmental and spatial analysis applications.

Languages

English: Fluent

Hindi: Native

German: Beginner

Marathi: Native