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ninepoint GmbH

Application for Working Student AI Position

My approach to AI development centers on system ownership and measurable efficiency gains—principles that directly align with your AI Taskforce mission to revolutionize internal processes. Currently pursuing MSc Data Science at TU Braunschweig, I architect systems that eliminate manual bottlenecks and create autonomous workflows. This execution-oriented mindset, combined with proven experience in process automation, positions me to immediately identify optimization opportunities and deliver production-ready AI solutions for ninepoint.

- At TU Braunschweig, designed biomedical research assistant that eliminated 60-90% of manual literature screening through intelligent automation. Built supervisor agent orchestrating 5 specialized teams using LangGraph architecture, achieving 94% extraction accuracy. This demonstrates my ability to analyze complex workflows, identify inefficiencies, and implement AI solutions that deliver quantifiable productivity gains—directly applicable to optimizing your internal business processes.
- Created fully automated content generation pipeline that reduced production time from 6+ hours to 20 minutes—a 1800% efficiency improvement. System handles end-to-end workflow autonomously at \$0.15 per output, proving my capability to transform manual processes into scalable, cost-effective AI operations. This experience translates directly to identifying and optimizing repetitive business processes within ninepoint's operations.
- Developed computer vision pipelines at TechR that enhanced medical scan processing workflows through CycleGAN harmonization and Real-ESRGAN super-resolution, achieving 96% noise reduction. Experience demonstrates proficiency in evaluating AI technologies, prototyping solutions, and implementing them for operational impact—matching your requirements for research, evaluation, and prototype development.
- Built AI research assistant with ReWOO-style architecture achieving 5x token efficiency and 4% reasoning improvement through hybrid RAG implementation. System includes dynamic code execution, persistent memory, and automated knowledge processing. This showcases my ability to research cutting-edge AI approaches, prototype innovative solutions, and deliver systems that scale—providing ninepoint with immediate access to advanced AI capabilities for process transformation.

My technical foundation includes Python, FastAPI, PyTorch, TensorFlow, and specialized agentic frameworks like LangGraph and LangChain. Experience with automation tools including Selenium, Playwright, and FFmpeg provides practical understanding of process optimization across different domains. The combination of analytical thinking, solution-oriented execution, and autonomous work capability aligns perfectly with your remote structure and innovation goals. Ready to leverage this technical expertise and process optimization mindset to identify inefficiencies, prototype AI solutions, and drive measurable improvements across ninepoint's internal operations.

Warm regards,

Aditya Ghanashyam Ladawa