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Siemens Healthineers

Application for Working Student Position: Data Analysis in Quality Management

I am writing to express my keen interest in the Working Student position for Data Analysis in Quality Management using Power Platform at Siemens Healthineers. My background as an AI and backend engineer, with a strong emphasis on automation, data processing, and scalable system development, aligns well with the responsibilities of supporting quality management through data analysis and workflow optimization.

- My core philosophy centers on automation and scalable execution, directly translating to the conception, implementation, and optimization of workflows. I have built fully automated content pipelines that achieved a 20x reduction in production time and agentic systems that cut literature screening time by 60-90%, demonstrating a strong aptitude for designing and deploying efficient, robust workflows adaptable to platforms like Power Automate.
- I possess a strong foundation in data analysis and processing, essential for supporting quality management and creating insightful dashboards. My experience includes building systems that achieved ~94% metric extraction accuracy across biomedical domains and processing complex data for AI models, ensuring I can effectively prepare data material for presentations, evaluations, and queries, and contribute to Power BI dashboard creation.
- My engineering approach prioritizes system durability, reproducible environments, and production readiness. I treat inefficiency as a structural failure, focusing on building solutions that scale and last, such as systems that achieved 5x token efficiency. This aligns with the continuous improvement of audit processes and the meticulous evaluation of data quality required in quality management.
- As an MSc Data Science student with expert proficiency in Python and practical experience with PyTorch, I am adept at quickly mastering new IT tools and systems. My deep technical fluency in AI and backend engineering, demonstrated by projects achieving 99% accurate pose classification and ~96% noise reduction in medical imaging, provides a robust analytical framework for understanding and contributing to data-driven quality management initiatives, even with new platforms like Microsoft 365 and Power Platform.

My drive to build robust, automated systems and my analytical approach to data make me a strong candidate for this working student position. I am eager to apply my skills and learn within Siemens Healthineers' dynamic environment and am available for an interview to discuss my contributions.

Warm regards,

Aditya Ghanashyam Ladawa