![EuroTeQ Engineering University logo]

Summary of projects from shortlisted EuroTeQ Collider teams at CTU participating at the EuroTeQathon.

Challenge - Automatic data creation from written and audio sources II

Team name - Visionary

Challenge Collaborator - Ororo

Summary of the project - Librarians face significant manual work, including data entry from book covers and title pages. To address this challenge, a competition named Collider in Prague sparked interest. Our team embarked on a solution journey, driven by research insights leading us to the adoption of OCR and GPT for character and text recognition. This approach demonstrated impressive performance and accuracy, showcasing the potential to save librarians considerable time and resources. By leveraging state-of-the-art AI technologies, along with modern architecture approaches, we've crafted a modular system that not only significantly reduces the cost of manual data entry but also streamlines the process of bibliographic metadata creation. Additionally, our system is designed as a web application, ensuring easy integration and sharing across various platforms. This combination of modularity, modern architecture, and web-based development not only enhances efficiency but also maximizes accessibility and usability for librarians, delivering enormous value in terms of time and cost savings.

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