AI_LAB: A system for trained AI models deployment and hosting

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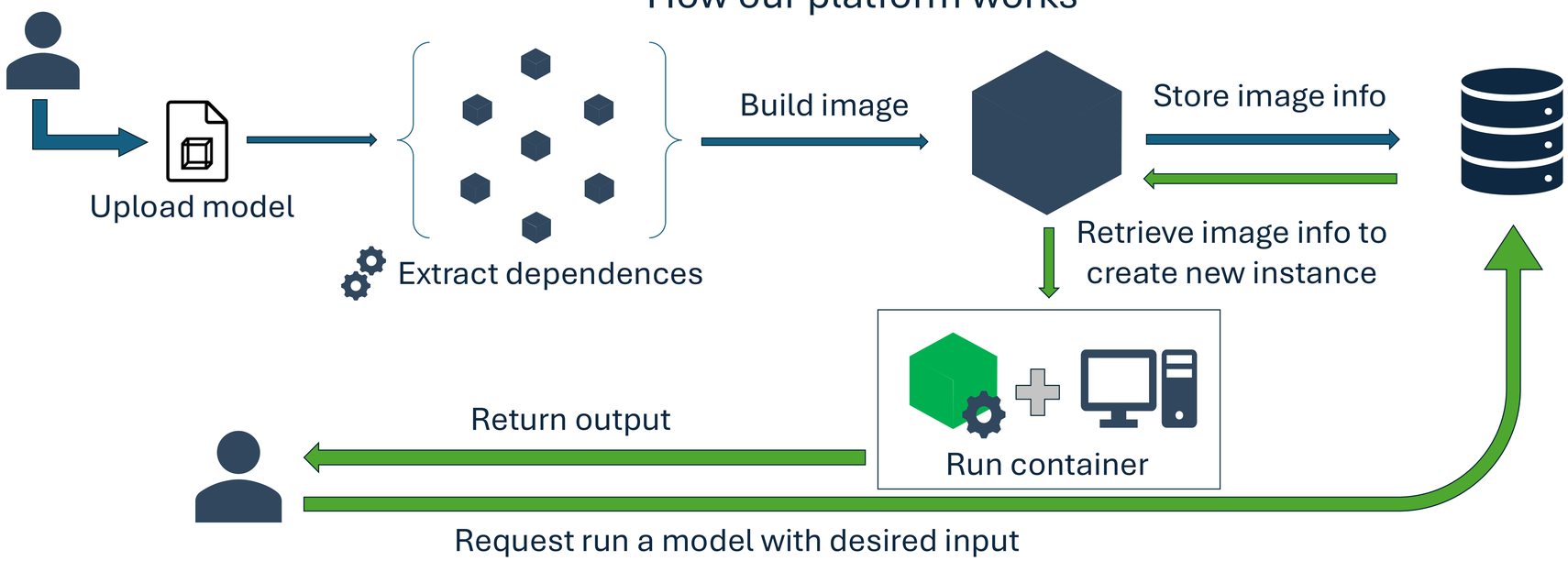
Abstract

AI-LAB is a centralized platform for deploying and hosting trained AI models, addressing challenges such as repetitive graduation project models, underutilization of models after graduation, and the lack of collaboration to improve existing models. The platform enables easy access to models through demos and APIs, with Token features like browse models by their category and access al model's papers and important info. Additionally, AI-LAB supports continuous model improvement through usage tracking, **fostering innovation and positioning the university as a leader in AI research adoption**.

How our platform works



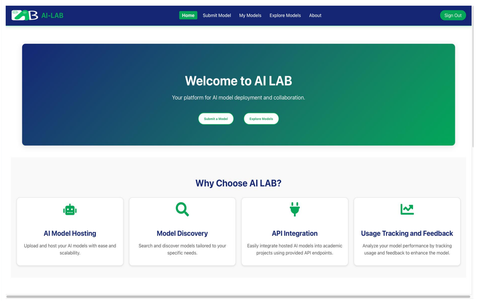
Scope & achievements

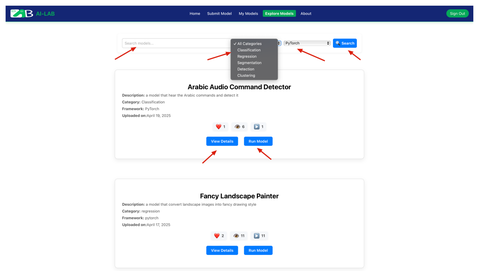
1. **Facilitates seamless model access**
2. **Enables dynamic container execution**
3. **Monitors user engagement metrics**
4. **Promotes collaborative AI development**

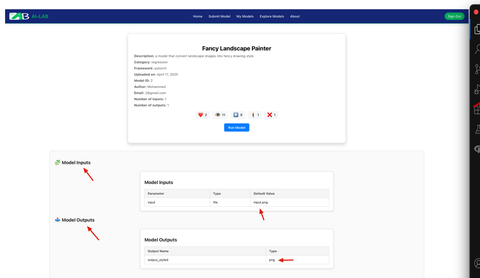
Tools

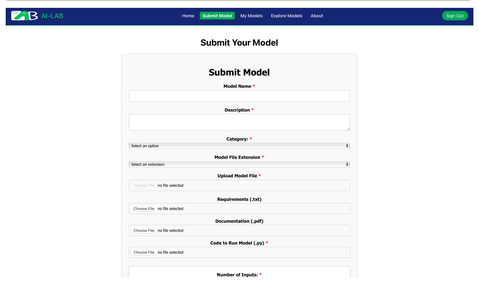
FastAPI, PostgreSQL, docker

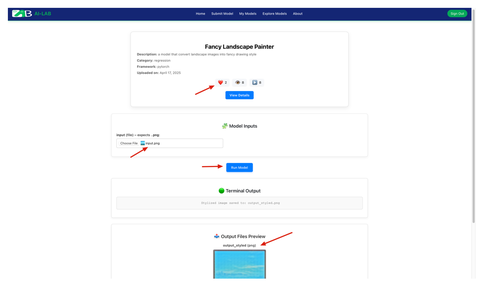
Web-pages



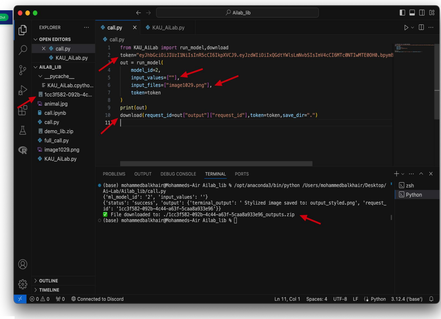








API call



Methodology