

小数据人工智能是一种先进的深度学习技术，旨在解决企业在为其运营开发人工智能解决方案时面临的数据稀缺挑战。通过利用小数据人工智能，企业可以大大提高效率和灵活性，开启优化工业流程的新时代。

Small Data AI is an advanced deep learning technology designed to addresses the data scarcity challenges faced by companies when developing AI solutions for their operations. By leveraging Small Data AI, businesses can greatly improve their efficiency and flexibility, ushering in a new era of optimized industrial processes.

应用场景和功能

Application Scenarios & Functions

弹性制造下的质量检测

Quality Inspection for Flexible Manufacturing

- 缺陷检测
- 缺陷分类
- 缺陷分割

视觉引导协作式机器人

Vision-Guided Collaborative Robot

- 物体识别
- 物体操纵
- 物体搬运

基于工业物联网的远程运维

IIoT-Based Operation and Maintenance

- 性能监控
- 异常检测
- 预测性维护

核心技术和平台优势

Core Technologies & Advantages

有效解决产线冷启动问题

Tackle cold-start problem

自动化罕见事件识别

Automate rare event identification

灵活适应新任务及新环境

Adapt to new tasks and environments flexibly

融合无监督、自监督、半监督等学习范式

Fuse unsupervised, self-supervised, and semi-supervised learning paradigms

降低AI开发成本

Reduce data preparation cost

缩短AI开发周期

Shorten AI development & implementation time

提高生产效率和弹性

Improve production efficiency & flexibility