

Example Project Ideas

Past Successes

- Sepsis prediction using EHR
- Diabetic retinopathy screening
- Medication adherence chatbot
- Cancer subtype classification

Project Categories

- Diagnostic tools
- Clinical decision support
- Patient engagement apps
- Drug discovery pipelines

Scope Examples

- Too broad: "Cure cancer with AI"
- Too narrow: "Clean one dataset"
- Just right: "Predict ICU readmission risk"

Impact Demonstrations

- Performance benchmarks
- Clinical utility analysis
- Cost-effectiveness estimates
- Stakeholder feedback

Publication Potential: Top projects may lead to conference papers or journal publications with instructor mentorship