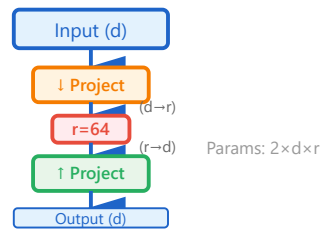


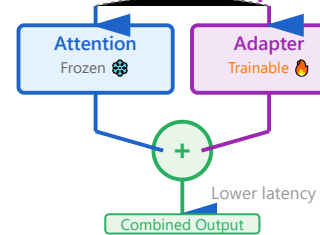
Adapter Modules

Insert Small Layers between frozen model layers
Parallel vs Sequential adapter architectures

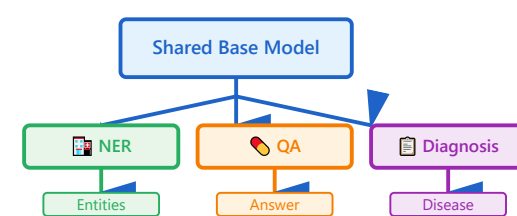
Sequential Adapter



Parallel Adapter



Multi-Task Adapters



1-5%

Added Params

64-512

Bottleneck Size

Modular

Architecture

Adapter Types

- **Sequential:** Down-project → ReLU → Up-project
- **Parallel:** Run alongside attention layers
- **Multi-task:** Separate adapters per task
- **Stacked:** Layer-wise adapter composition

Medical Task Adapters

- Clinical NER adapter
- Medical QA adapter
- Diagnosis prediction adapter
- Report generation adapter