Version Control for Models (Version Control for Models)

🔢 Version System

- Semantic Versioning: MAJOR.MINOR.PATCH
- MAJOR: Incompatible changes (architecture changes)
- MINOR: Feature addition, backward compatible
- PATCH: Bug fixes, performance improvements

📊 Tracking Information

- Model weights and architecture
- Training dataset version and size
- Hyperparameter settings
- Performance metrics (accuracy, AUC, etc.)

🔧 MLOps Tools

- DVC (Data Version Control): Data + model version control
- MLflow: Experiment tracking, model registry
- Weights & Biases: Experiment visualization, collaboration

- Git + LFS: Large file version control