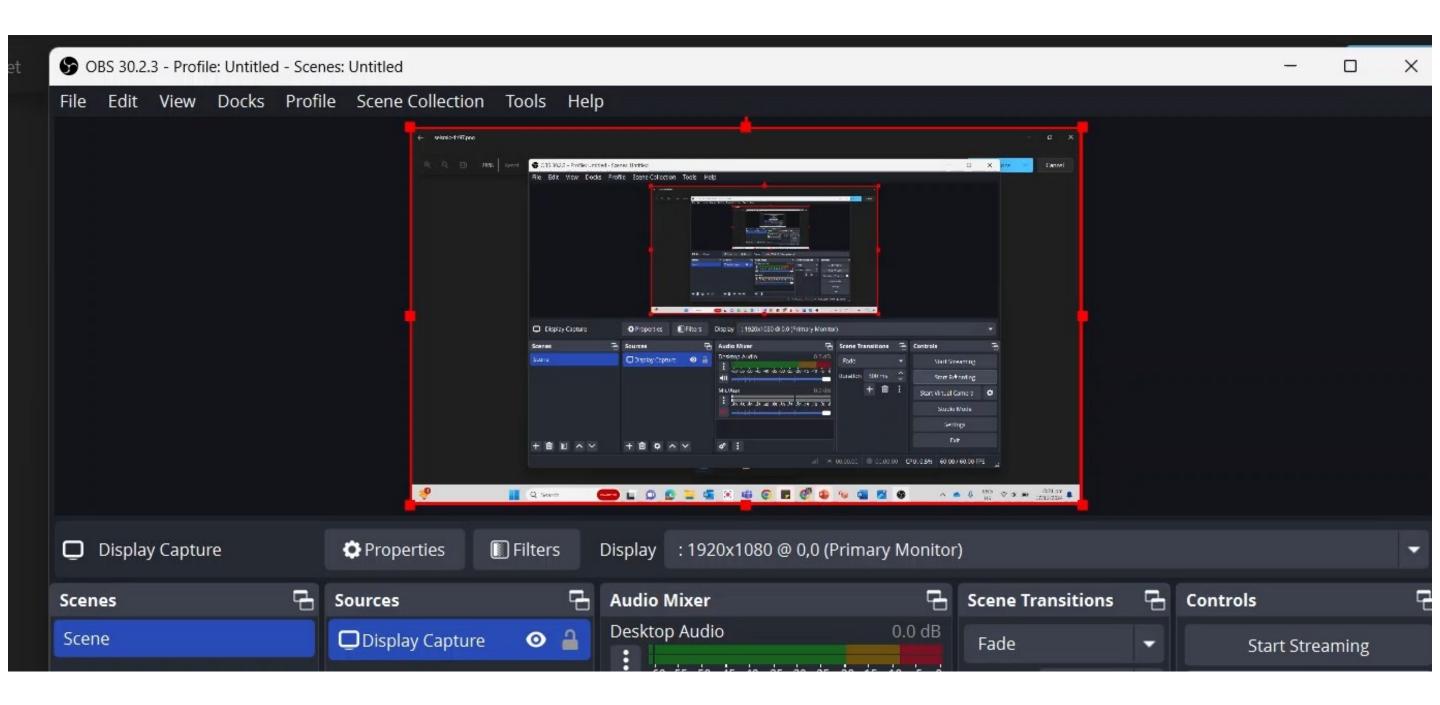


Before the existence of Machine Learning...





















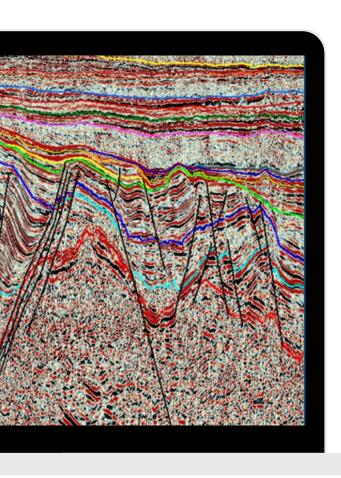






Horizon tracking across 2D lines, can become a challenge as discontinuous data makes it difficult to confidently correlate the same stratigraphic layer. These challenges are amplified by the inherent limitations of manual methods.







Time-Consuming & Subjective

- > Manual interpretation
- > Different interpreters

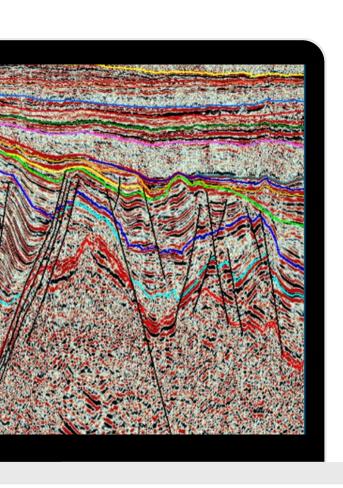






Horizon tracking across 2D lines, can become a challenge as discontinuous data makes it difficult to confidently correlate the same stratigraphic layer. These challenges are amplified by the inherent limitations of manual methods.



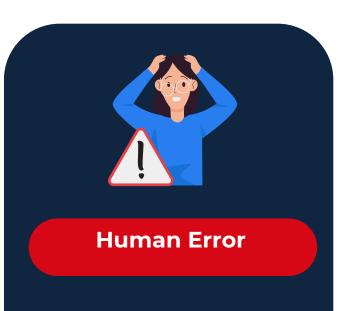






Limited by Fatigue & Complexities

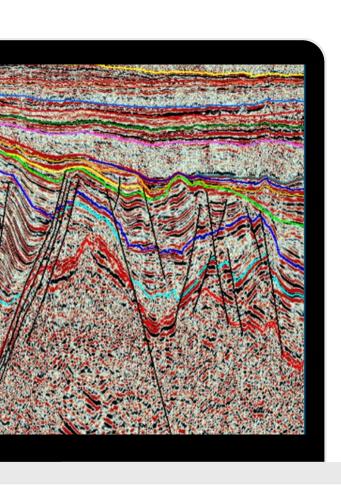
- > Extended periods of manual interpretation
- Complex geological structures





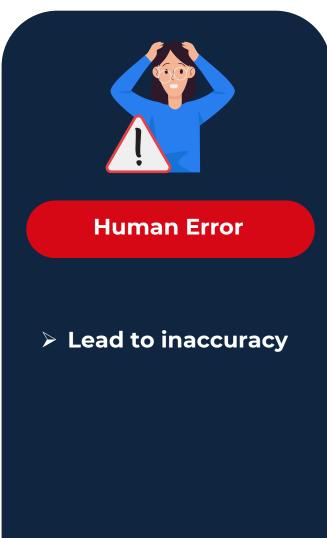
Horizon tracking across 2D lines, can become a challenge as discontinuous data makes it difficult to confidently correlate the same stratigraphic layer. These challenges are amplified by the inherent limitations of manual methods.













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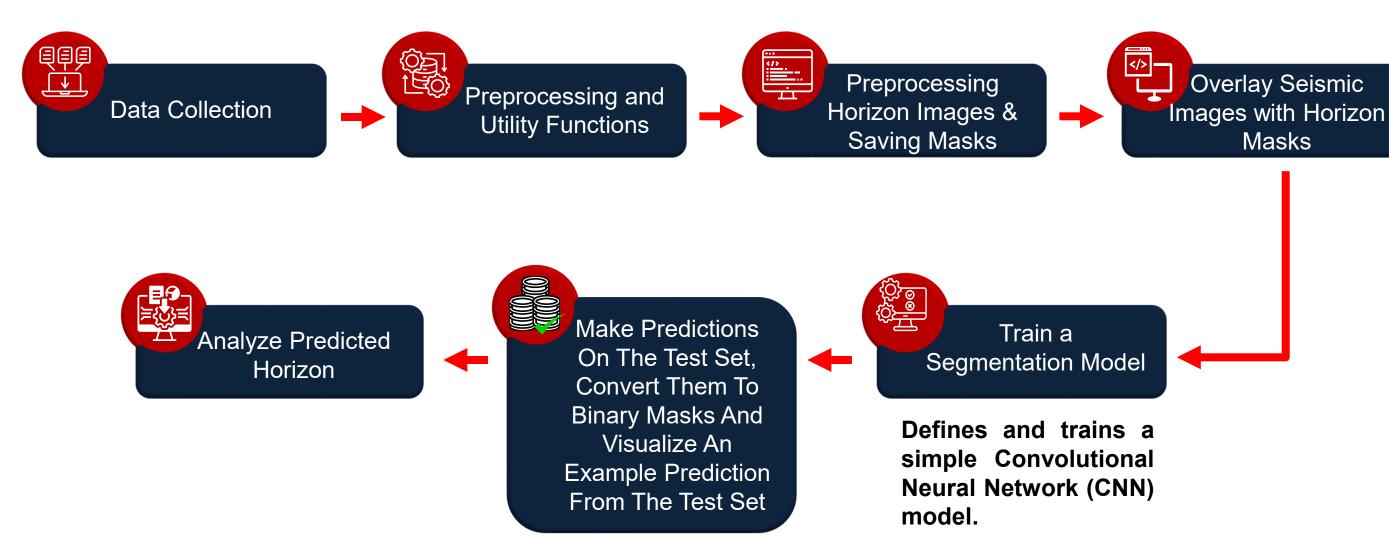




Management

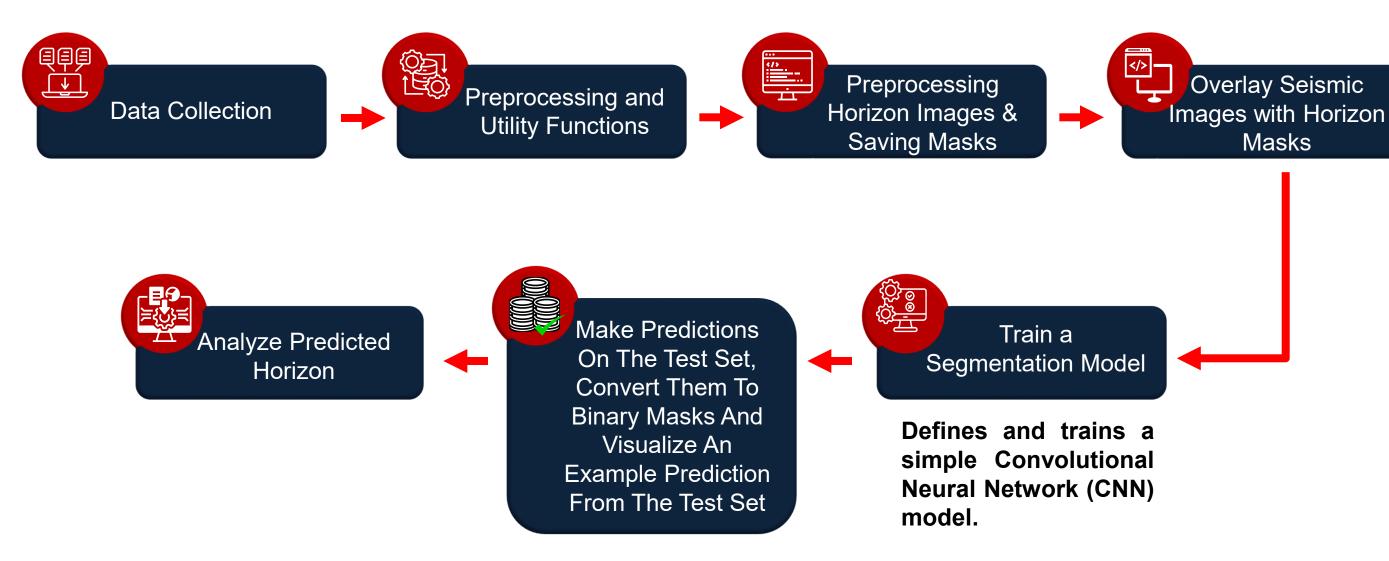






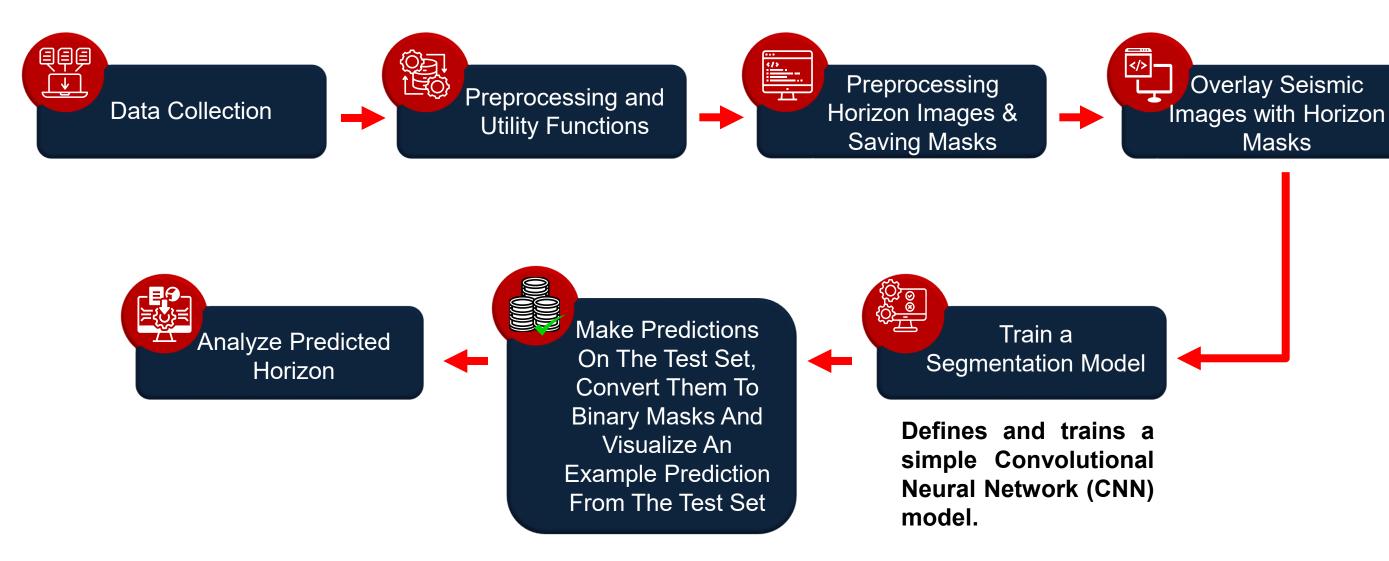






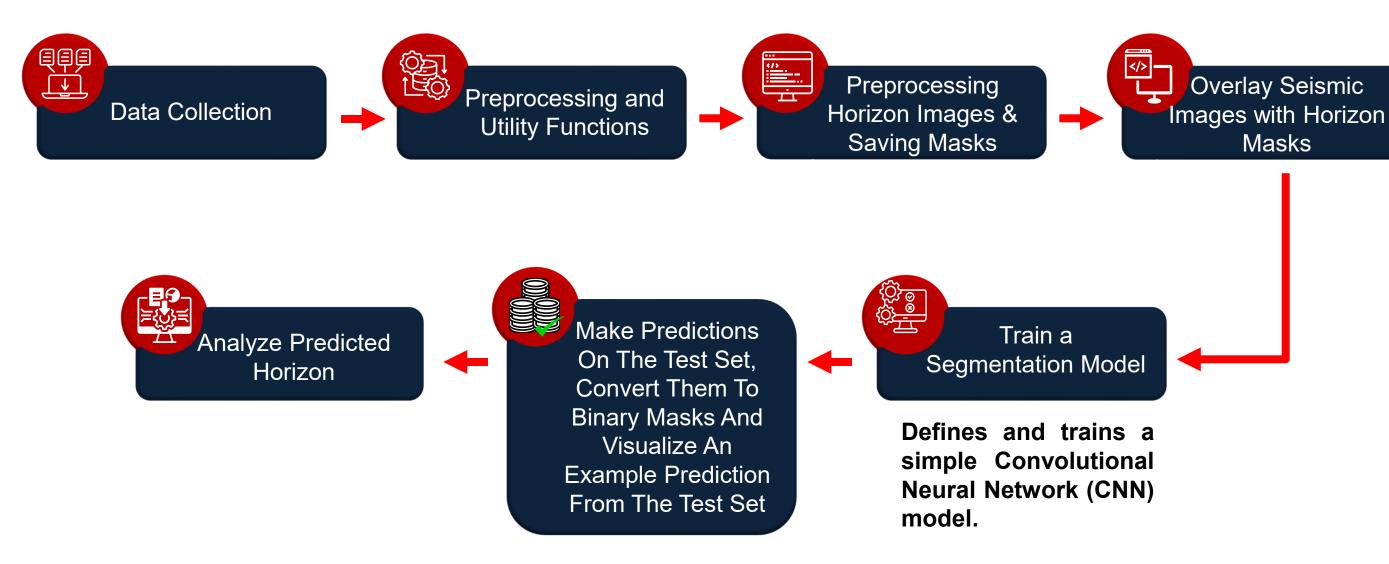






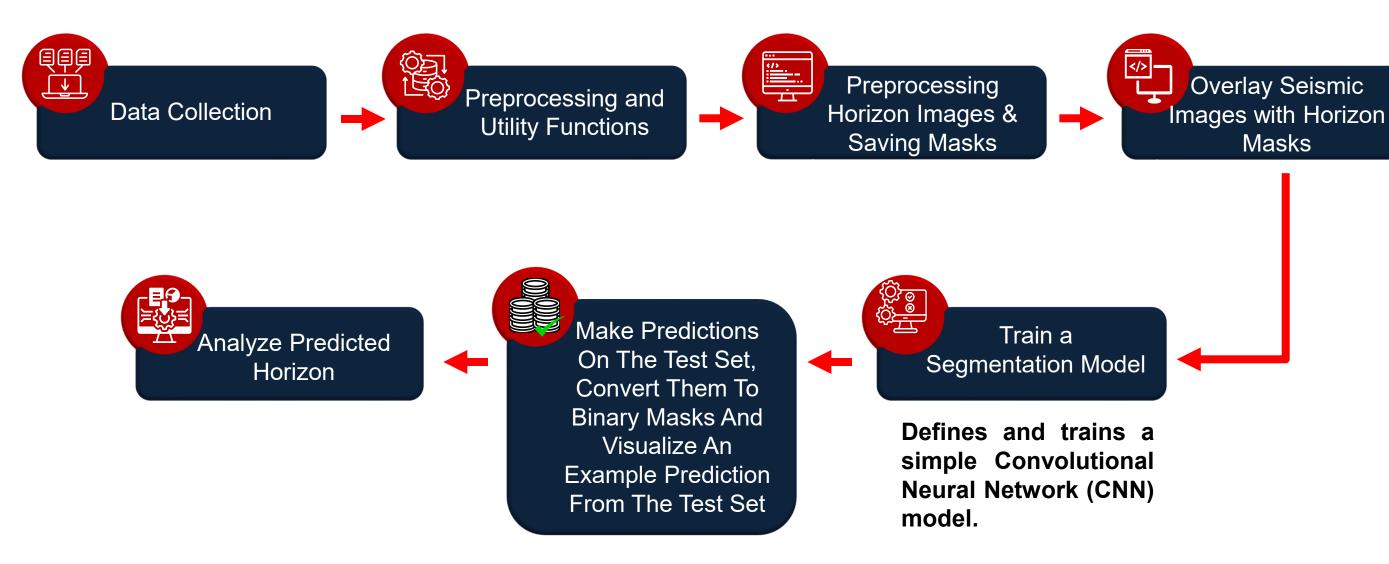






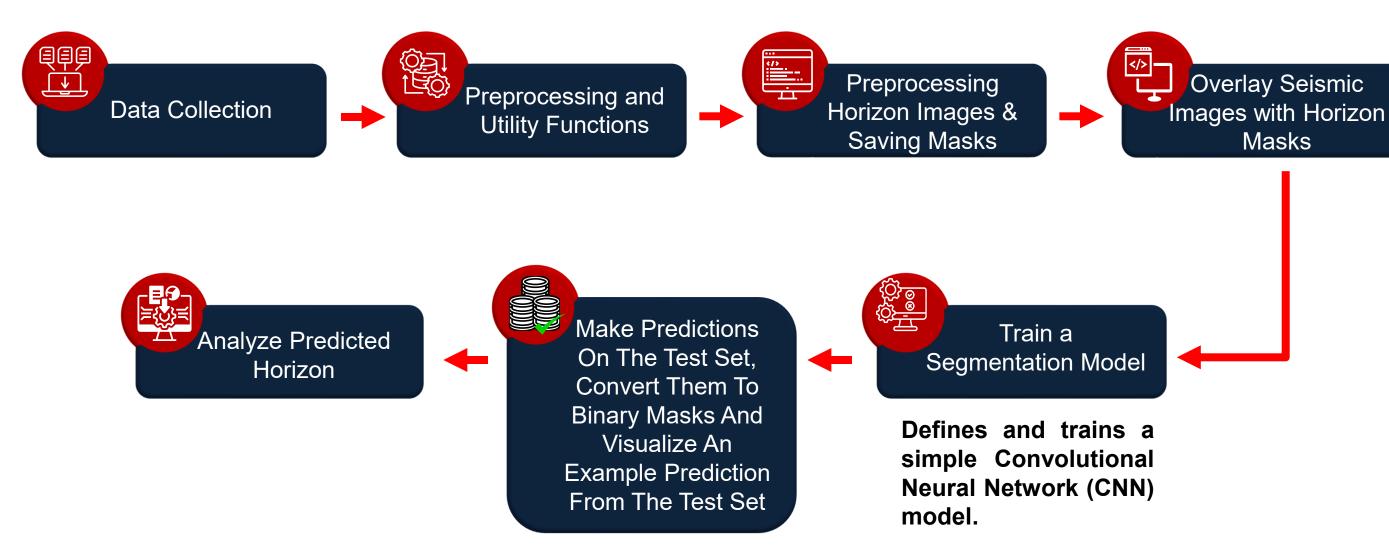






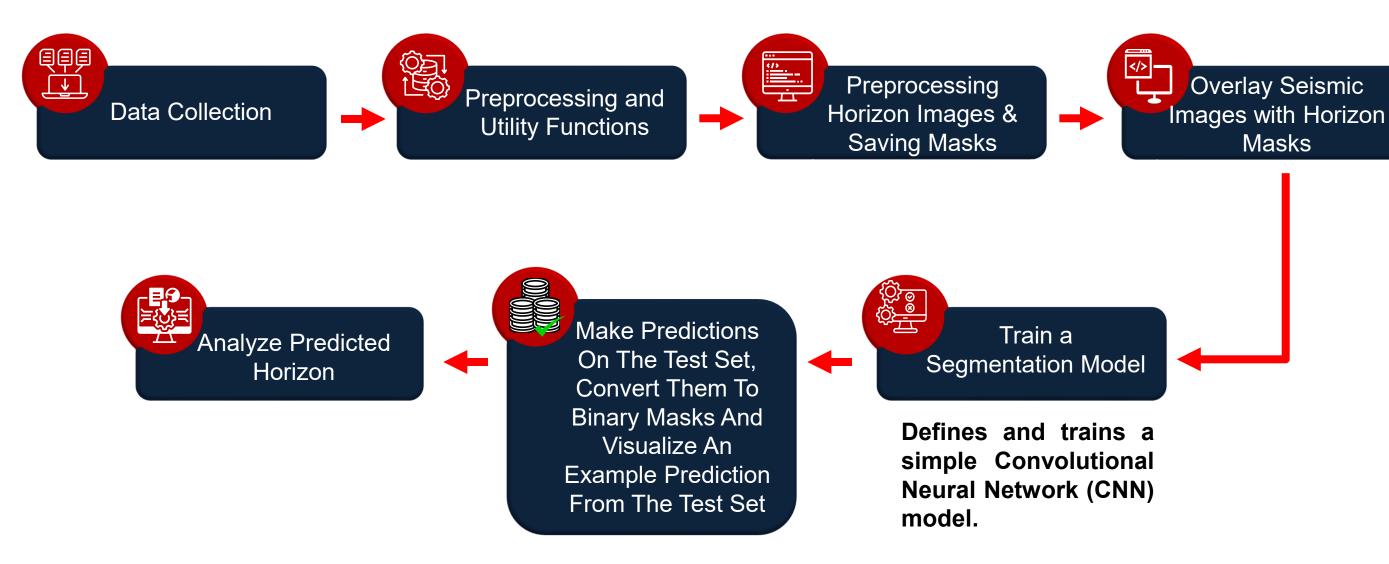










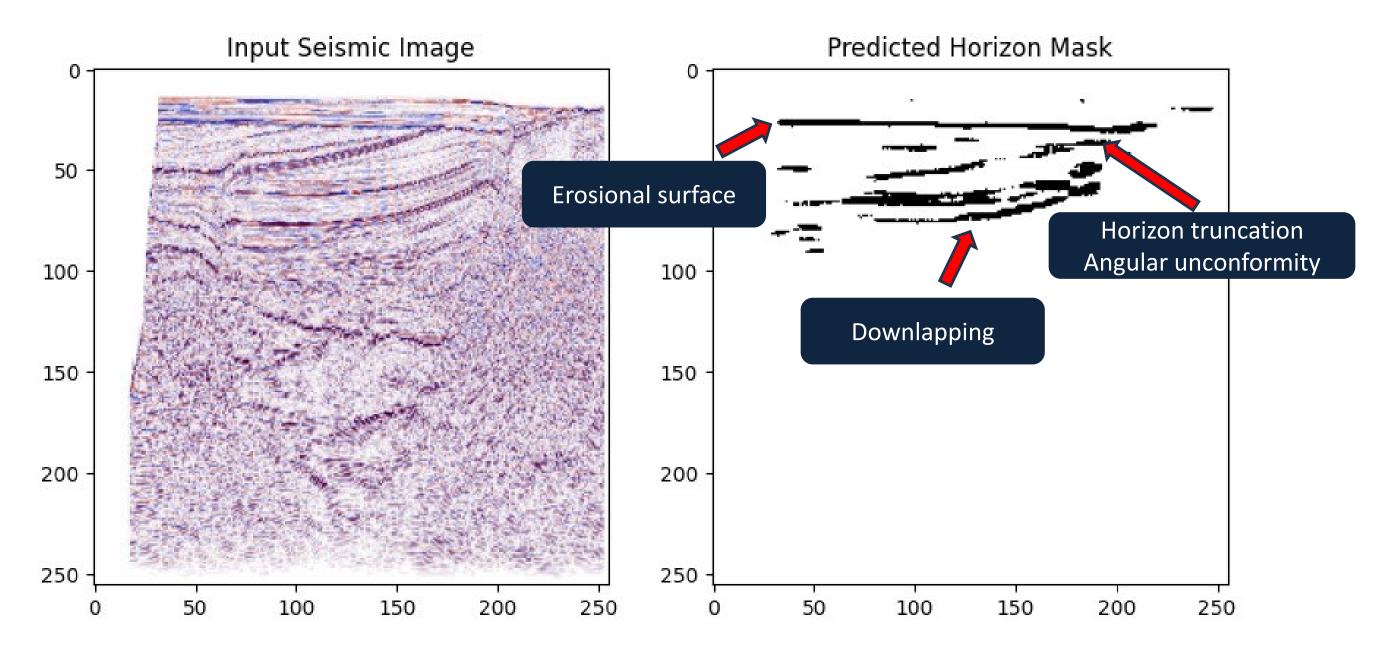


Results



Our model identifies and maps key horizons, providing valuable insights into subsurface geology.

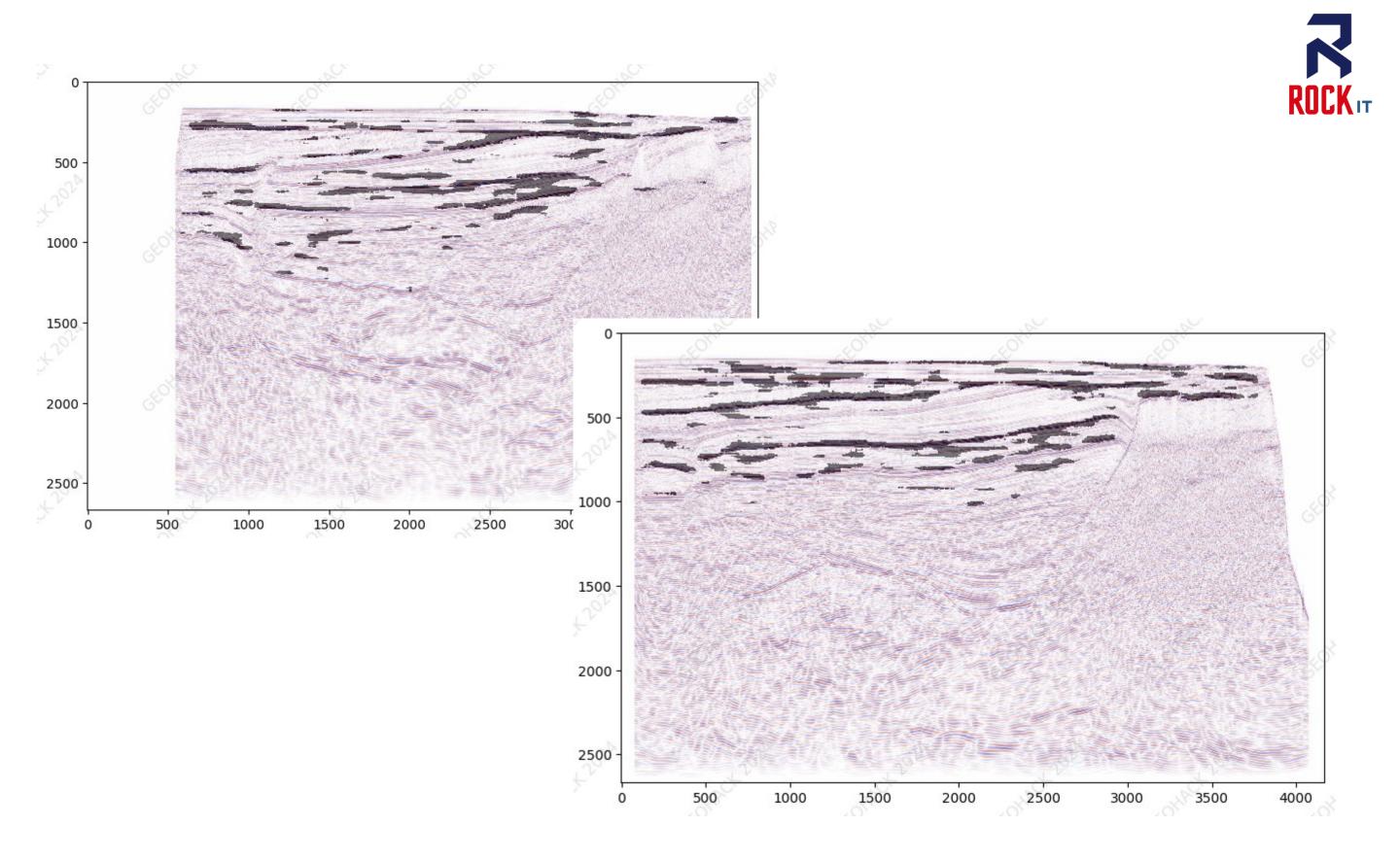




Accuracy: 96%

Visualization of results on holdout data





Key Takeaways





Thank you!

