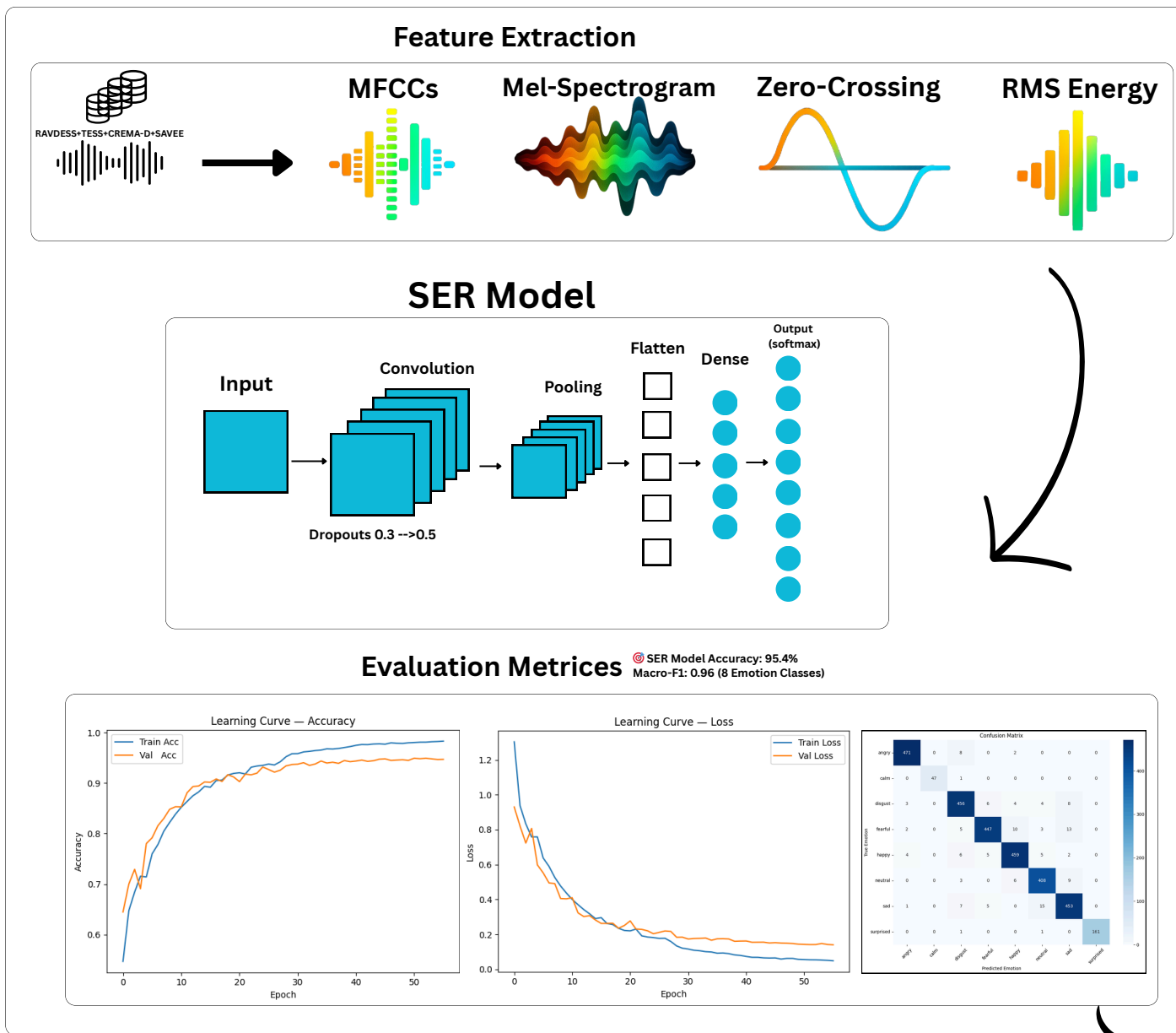
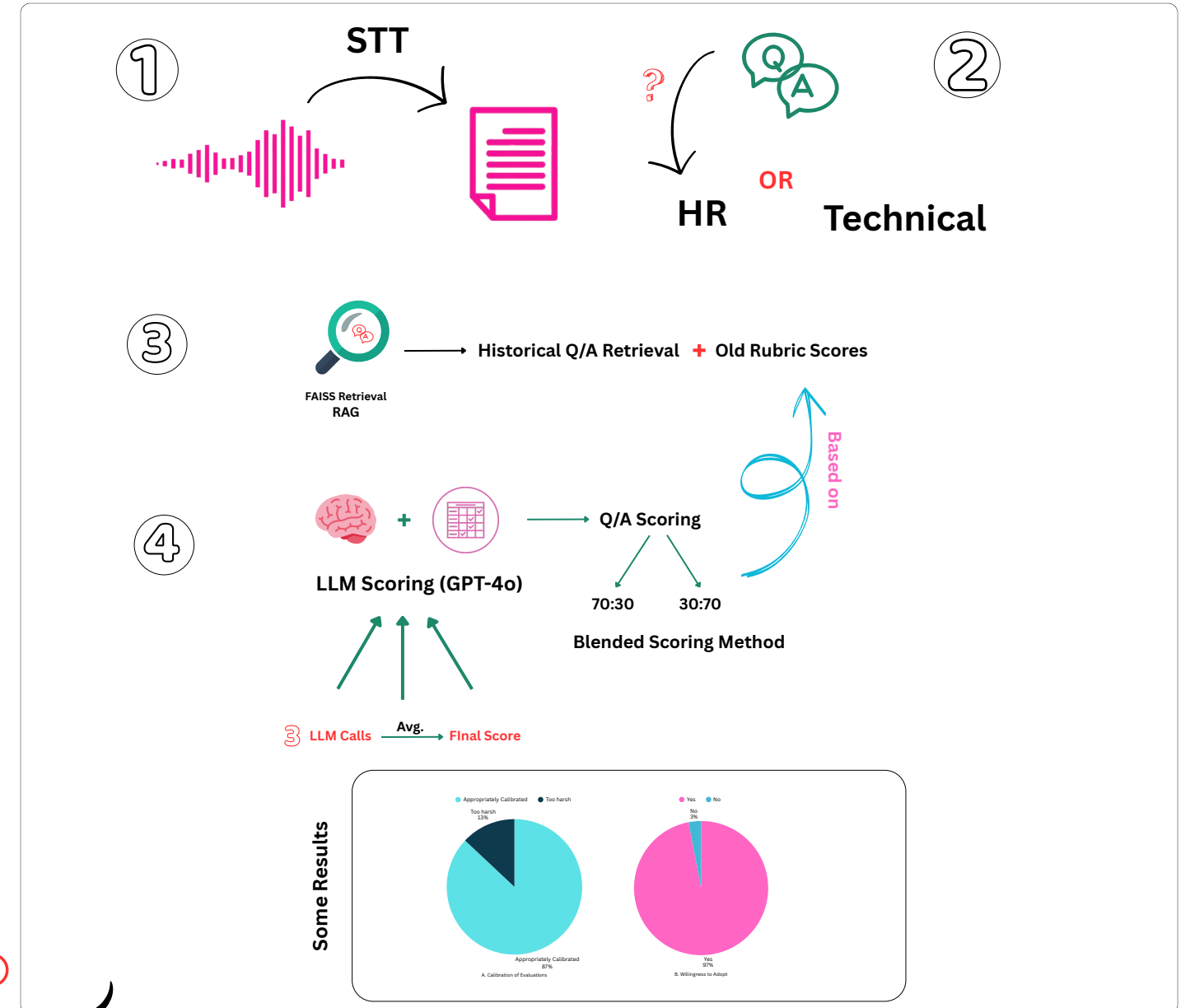


# AI Video Interview System

## Speech Emotion Recognition



## Candidate Answer Evaluation



## Conclusion

- This work achieved 95.4% accuracy (macro-F<sub>1</sub> ≈ 0.96) across four English emotion datasets, with calm recall reaching 98% using light augmentation and progressive dropout. It outperforms prior studies—Liu et al. (77–86%), Wani et al. (~80%), and Issa et al. (71.6–95.7% on German EMO-DB).
- The candidate answer evaluation pipeline dynamically scores HR and Technical responses using GPT-4o-based rubrics, RAG-enhanced historical retrieval, and a blended scoring strategy that ensures contextual relevance and fairness.

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## Pipeline

