

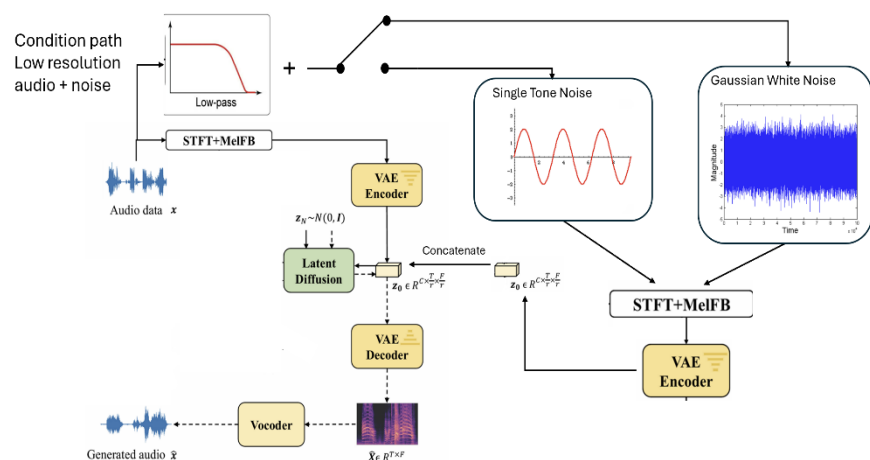
# AUDIOSR

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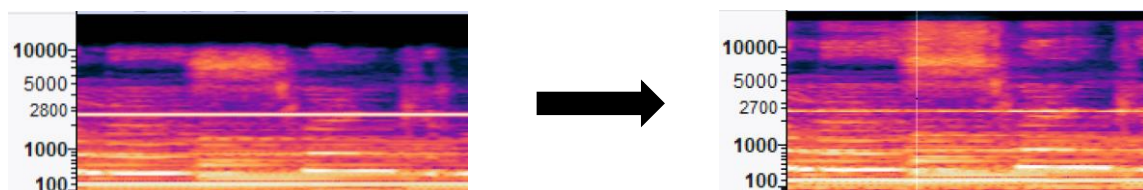
## Project goals

- Convert low-resolution audio to high-resolution audio using the AUDIOSR model.
- Denoise audio by removing noise types such as single-tone and white noise using the AUDIOSR model with small improvements.

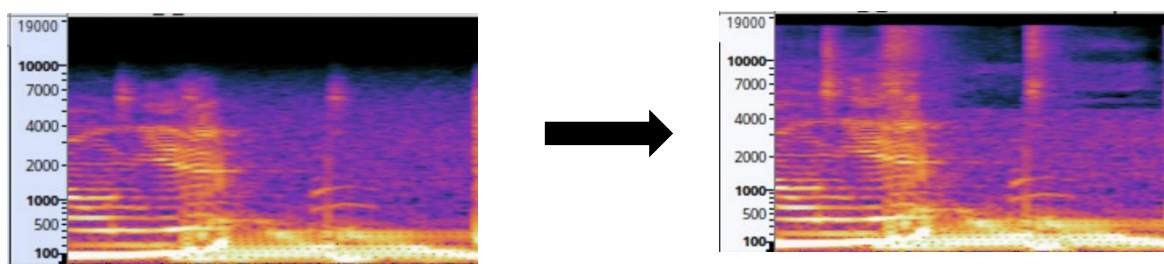
## Model's architecture



## Results



The model predicts higher frequencies in low-resolution audio and reduces single-tone noise.



The model predicts higher frequencies in low-resolution audio and try to reduce white noise.

## Conclusions

- The model showed positive results in noise removal, even with low-resolution audio.
- It was more effective at reducing single-tone noise compared to white noise, likely due to longer training on single-tone noise.
- The model is versatile and, with minor adjustments, can be adapted to handle additional features and various types of noise.