



Deepfake Detection Framework

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a.k.a (DF)^2

Motivation

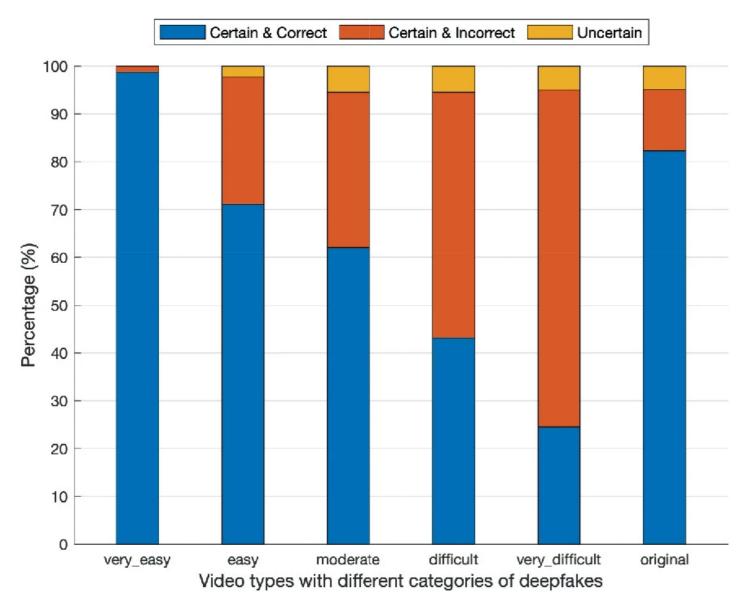
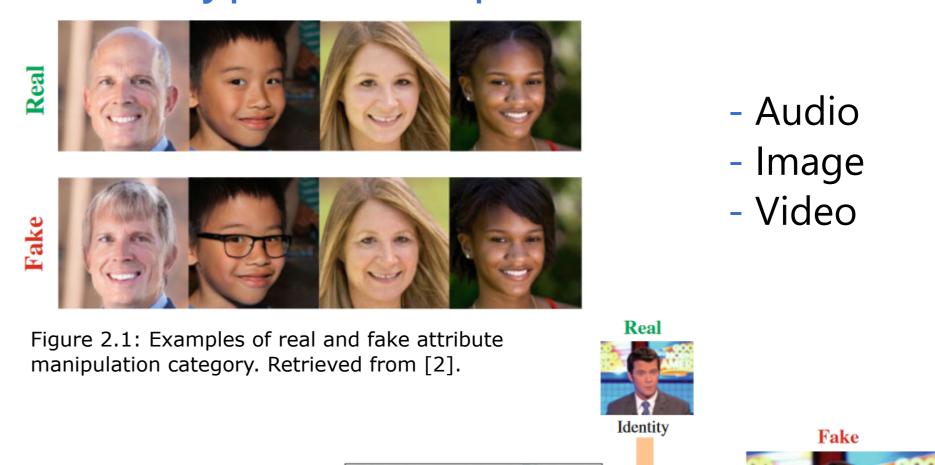


Figure 1: Subjective answers from ANOVA test for different deepfake categories. Retrieved from [1]

Diffret types of deepfakes

Input Audio

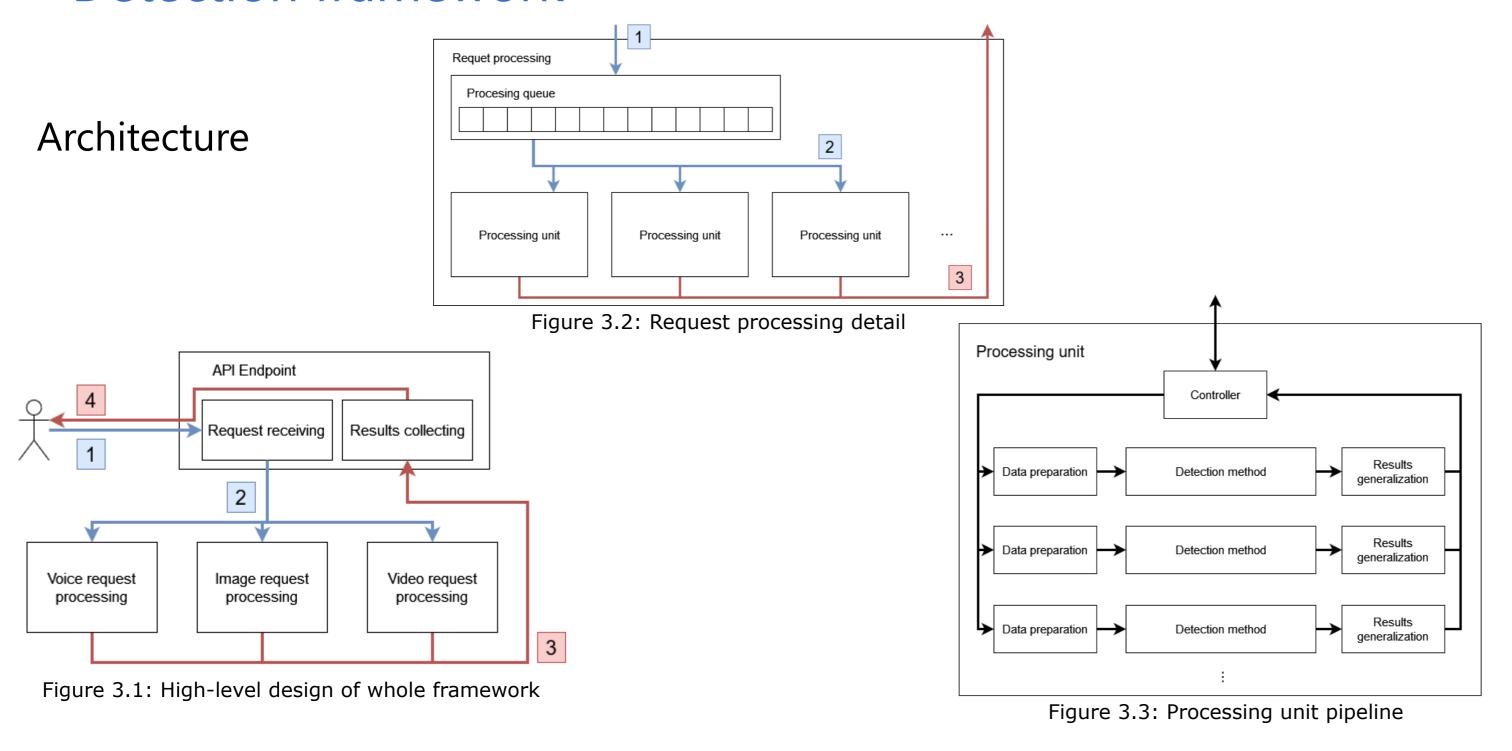
Input Text



This is an example of text-to-video

Figure 2.2: Examples of real and fake audio/text to video fake category. Retrieved from [2]

Detection framework



Implementation

- **-** C#
- RabbitMQ
- Python + FastAPI
- MSSQL
- Kubernetes
- Docker
- Prometheus
- Grafana and more...

Client application

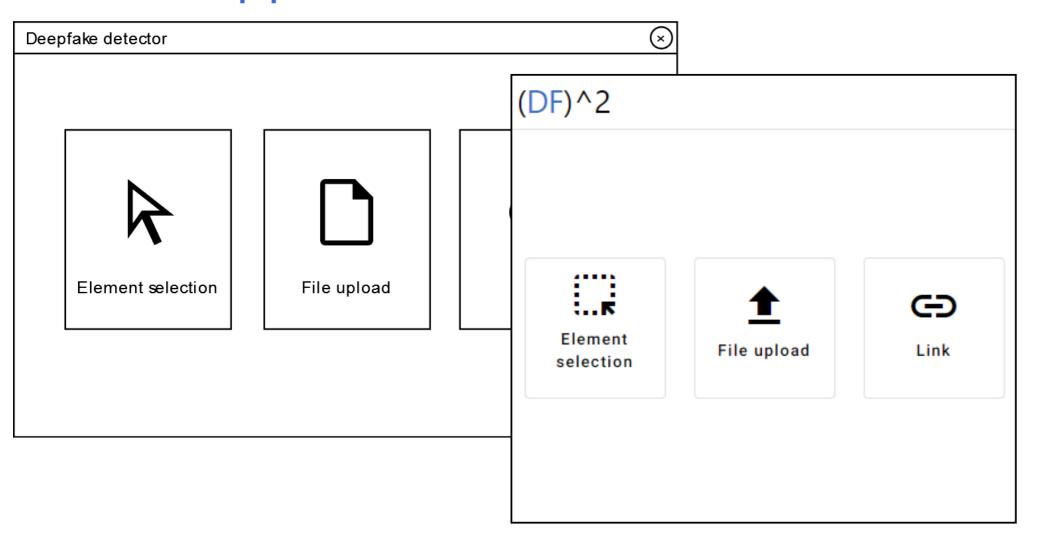


Figure 5.1: Input type selection screens

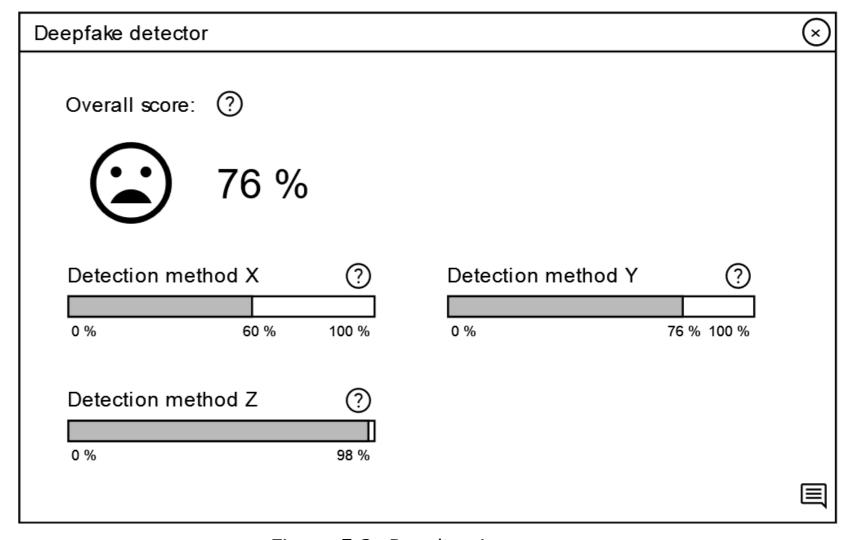


Figure 5.2: Results view screen

References