AUTOMATING CONTENT FILTERING

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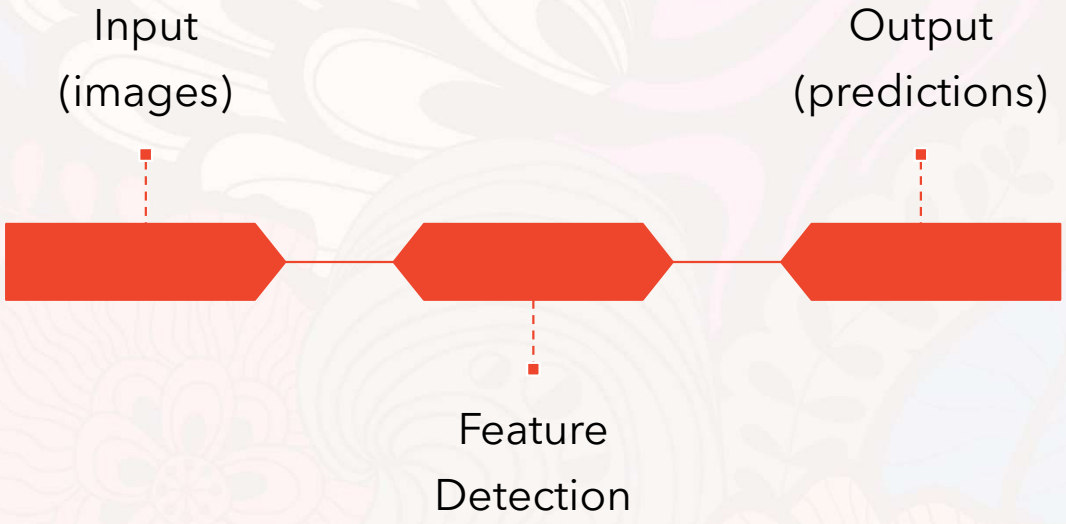
The Problem

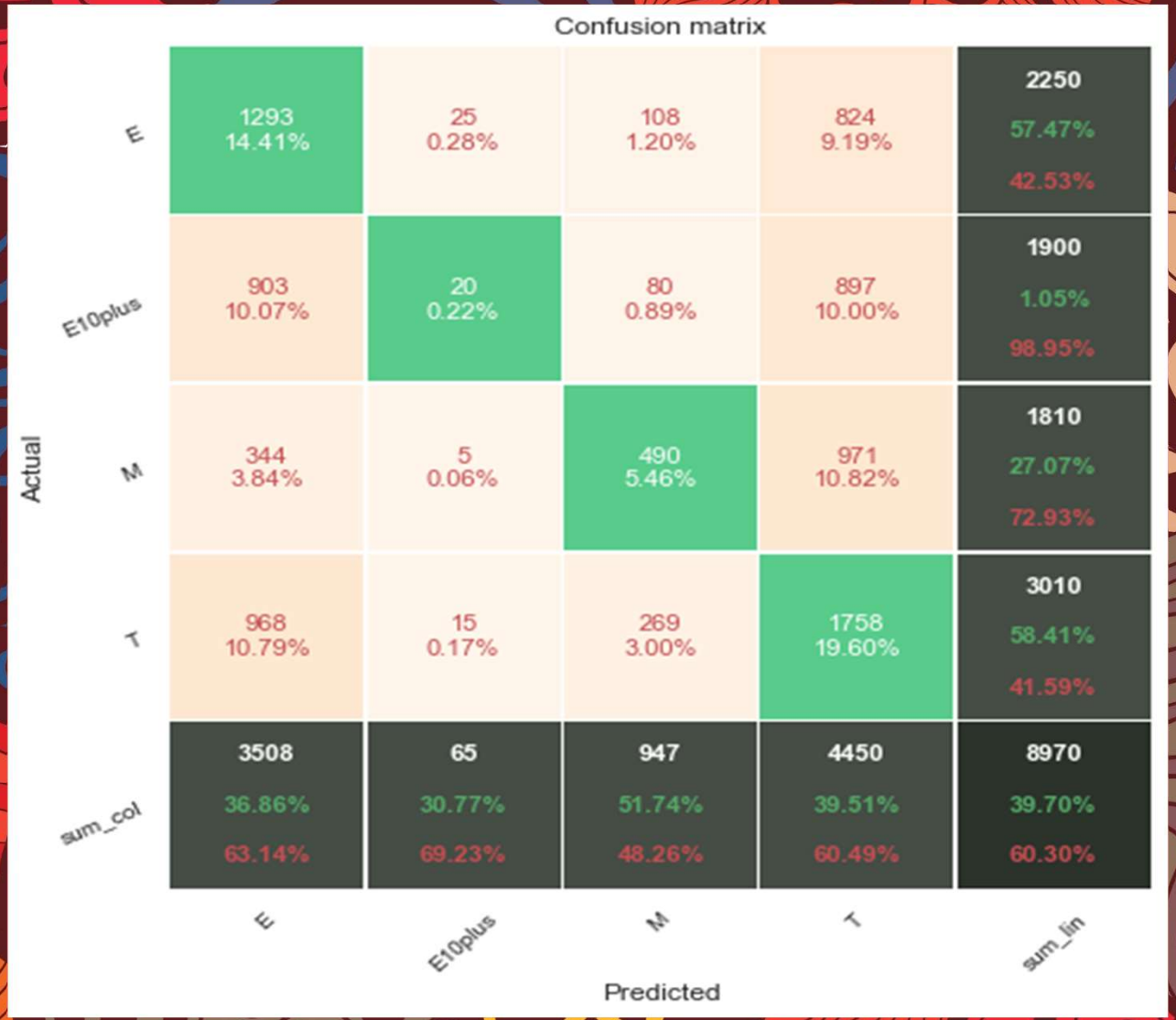

Infused Sottle | Gfinity Masters top 4 |...
on Sottle
twitch
SPONSORS:
astro
Sottle
Sottle is a 10 x Hearthstone EU
professional player with Team I
Hearthstone writer for Icy Veins.
on how he thinks about the gam
his thought process in detail to
stream is a great mix of educati
community.
Click here to watch and chat liv
BRINGING

Convolutional Neural Networks



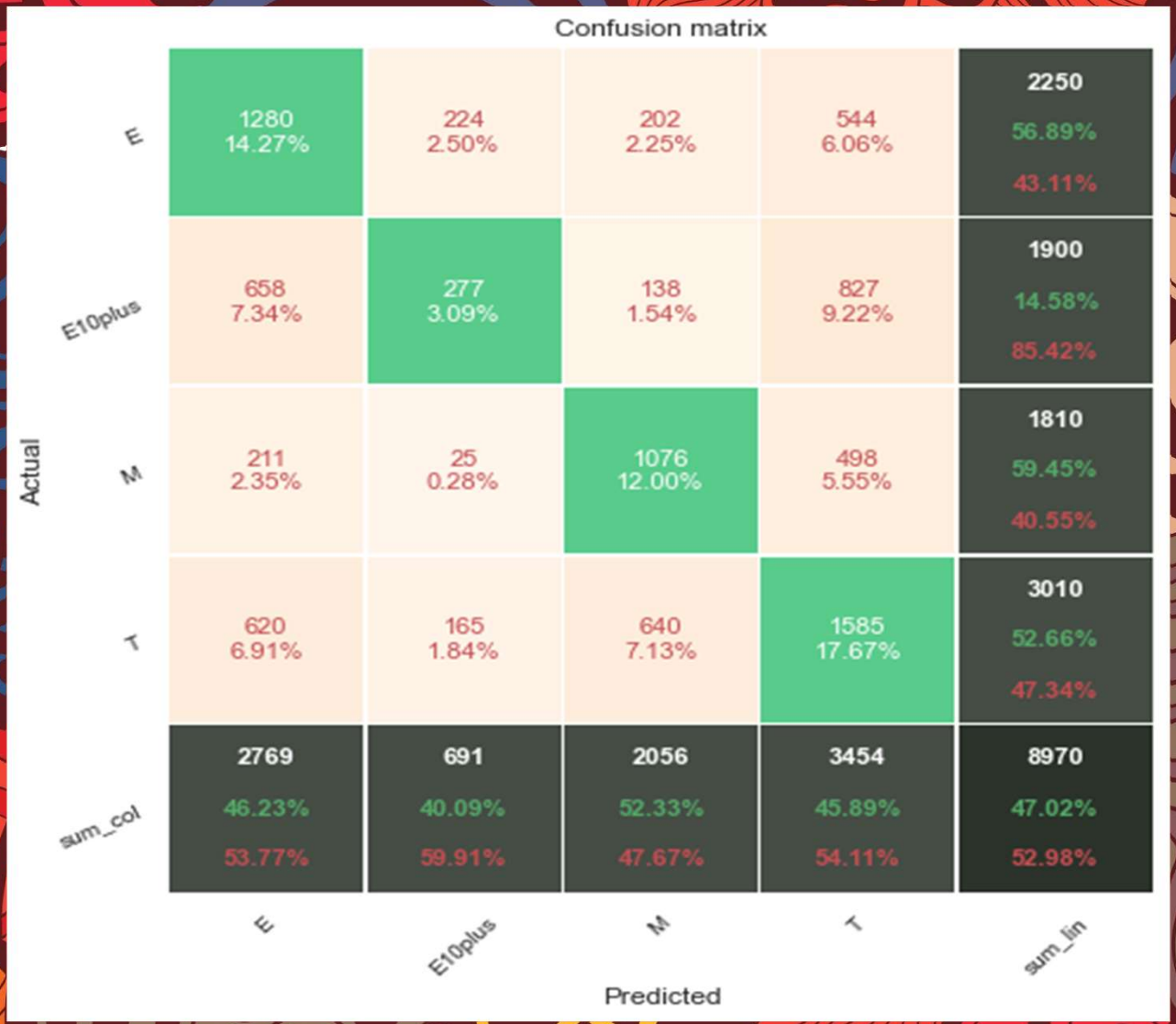
Convolutional Neural Networks

input → convolutions → output



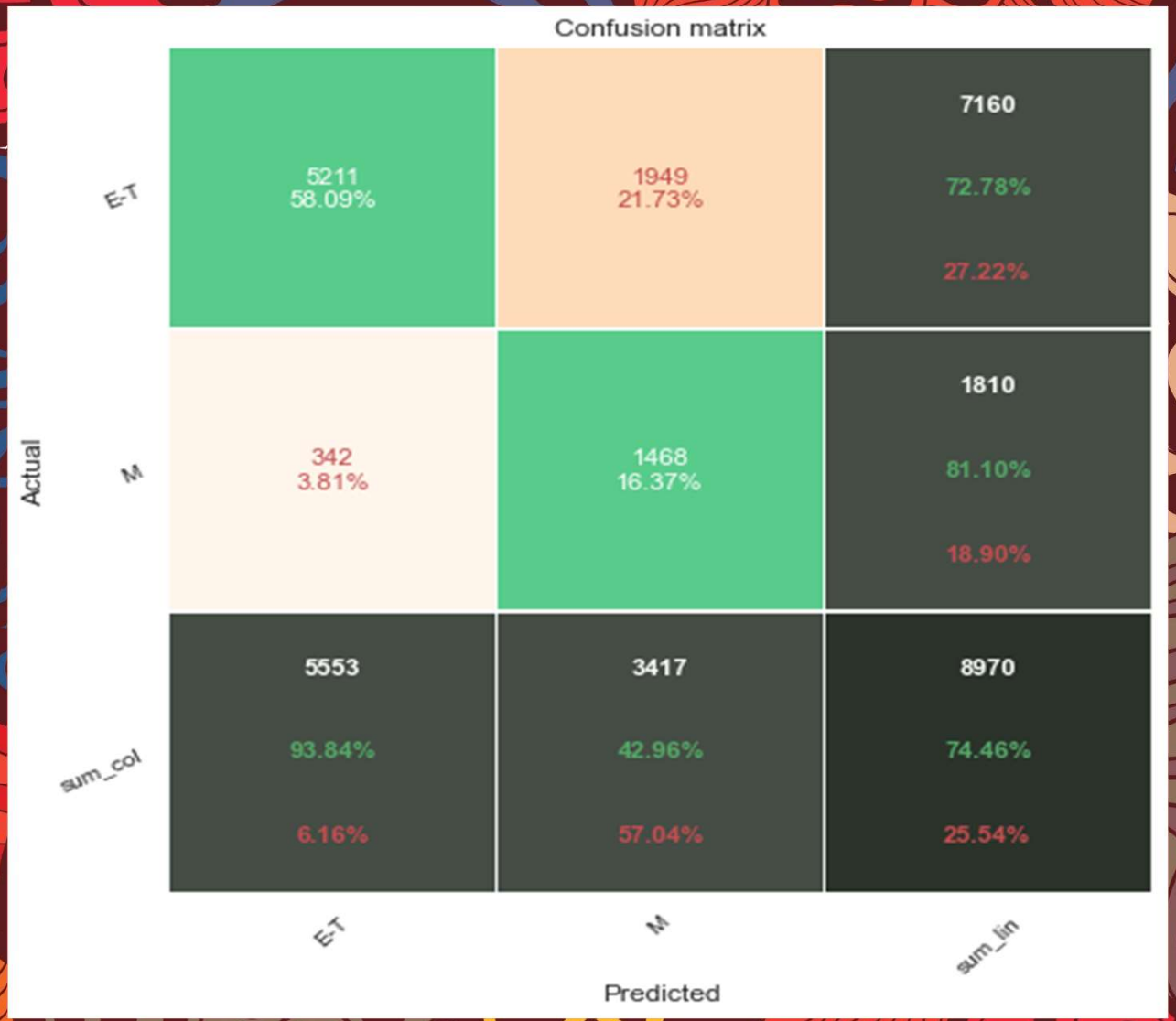
Simple Neural Network

- 40% accuracy
- 27% recall
- 52% precision



Convolutional Neural Network

- 47% accuracy
- 59% recall
- 52% precision



VGG-16 Binary

- 74% accuracy
- 81% recall
- 43% precision

Conclusion

A step toward automated content filtering

Useful for automated content flagging

Human review still needed

Recommendations

Consistent gameplay images

Predictions based on multiple images

Video clip classification

Future Work

NLP for monitoring chat

Monitoring audio

Video classification

Thank You!

Your time and attention are appreciated!