Signature Classification

Detecting Signature Fraud

Introductions

Zach Rauch

Data Science Student

Agenda

- The Business Consideration
- Understanding the Data
- Methodology
- Model Performance
- App Demo
- What's Next

The Business Consideration

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More than 27.5 Billion checks a year.

Check fraud costs banks $900M a year

Account for 22 % of all fraudulent checks

WELLS FARGO

Fraud and Financial Crimes

Understanding the Data

- Sample size of just 300 images
- Image augmentation

kaggle

Methodology

Google Colab

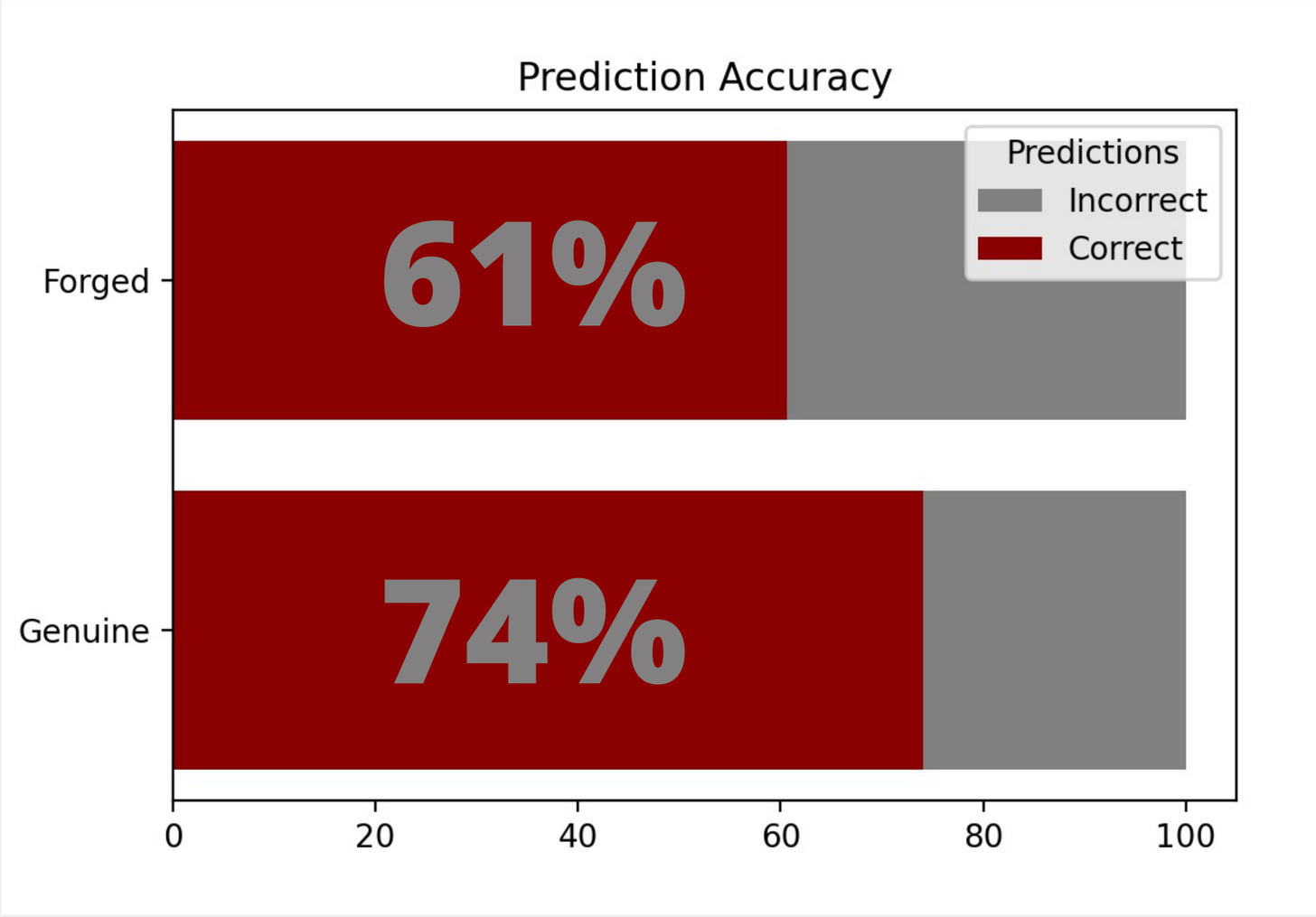
+

TensorFlow/Keras

Model Performance

67% Accurate

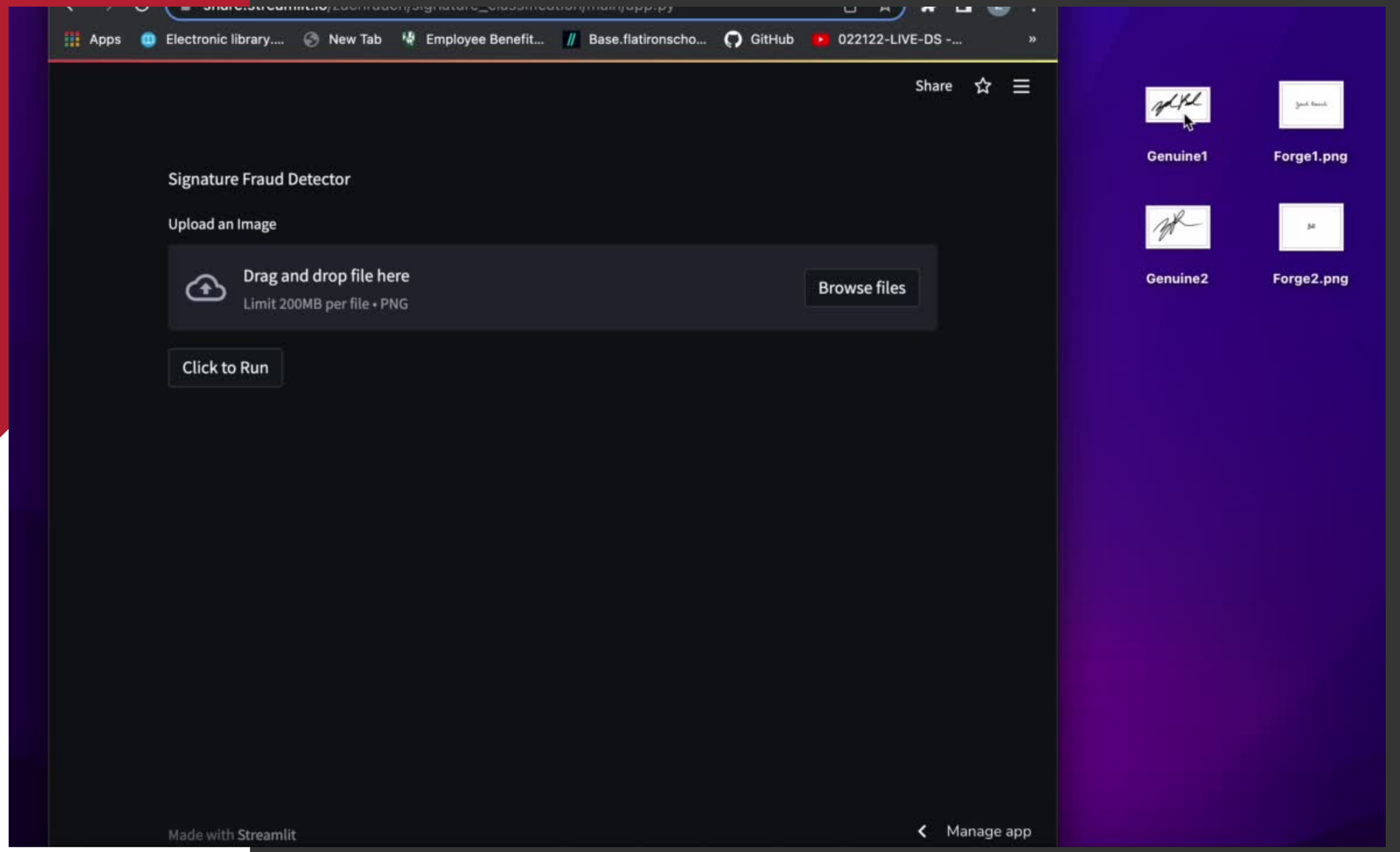
.69 Loss



App Demo

Mobile Deposits are on the rise.

Try It



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Fraud and Financial Crimes

What's Next

More Data

Increase Model Complexity

Signature Research

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Fraud and Financial Crimes

Let's Connect

Email

LinkedIn

Github