

MLOps Level 2 Pipeline

SyntaxSquad ML Pipeline #5
main_branch

EXECUTION CONFIGURATION ARTIFACTS INFO CONSOLE SCALARS PLOTS DEBUG SAMPLES

Hostname: fv-az818-428

Download full log

Filter By Regex

2025-05-20 20:43:58 Completed Task id=0bd2f6d70b474fb9adb3d7edb0b22ce2
Launching the next 1 steps
Launching step [step7_model_evaluation]
Cloning Task id=1ca787a4460b4248a65c9ec529663c3 with parameters: {'General/data_transformation_task_id': 'c621262ce15e41a4bf5b0b8d76d5bb99', 'General/hyperparameter_tuning_task_id': 'step6_hyperparameter_tuning_task_id'}
Parameters:
{'General/data_transformation_task_id': '\${step3_data_transformation.id}', 'General/hyperparameter_tuning_task_id': '\${step6_hyperparameter_tuning.id}'}

RUNS LIST

SyntaxSquad ML Pipeline #5 • v 1.0.7
main_branch
Updated 3 days ago • Created by HOANG QUAN DANG

SyntaxSquad ML Pipeline #5 • v 1.0.6
WLASL100 production
Updated 4 days ago • Created by Hengky Edyson

SyntaxSquad ML Pipeline #2 • v 1.0.1
S... Trigger 1: Retrain on ne... WLA... pipe: 6c7f726c44a2434e...
Updated a month ago • Created by HOANG QUAN DANG

SyntaxSquad ML Pipeline #4 • v 1.0.2
Sprint2 WLASL300 pipe: 4d7cd7aff2404e95aaded63bd67d6bbb
Updated a month ago • Created by HOANG QUAN DANG

SyntaxSquad ML Pipeline #2 • v 1.0.1
Sprint2 WLASL100 pipe: 6c7f726c44a2434eb273913307df870f
Updated a month ago • Created by HOANG QUAN DANG

DETAILS

step1_data_spl...

step2_data_aug...

step3_data_tra...

step4_ConvNe...

step4_GISLR_m...

step5_model_s...

step6_hyperpar...

step7_model_e...

RUN INFO

aa134c02...

PARAMETERS

augmentation_f... 1
batch_size 128
chosen_labels
chosen_landma...
conv1d_dropout 0.2
epochs 100
gpu_queue Remote_A100
last_dropout 0.2
learning_rate 0.001
max_frames 195
max_labels 100
max_samples
pad_value -100
reduce_lr_factor 0.7
Full details →

SyntaxSquad ML Pipeline #5
main_branch

EXECUTION CONFIGURATION ARTIFACTS INFO CONSOLE SCALARS PLOTS DEBUG SAMPLES

Execution Flow

step7_model_evaluation
pipe: aa134c0255cb4e1c81ac080e0da7ae9
Updated 3 days ago • Created by HOANG QUAN DANG

step6_hyperparameter_tuning
optimization pipe: aa134c0255cb4e1c81ac080e0da7ae9
Updated 3 days ago • Created by HOANG QUAN DANG 4 iterations

step4_GISLR_model_training: General/batch_size...
opt: 0bd2f6d70b474fb9adb3 optima... pipe: aa134c0255cb4e1c81ac...
Updated 3 days ago • Created by HOANG QUAN DANG 99 iterations

step5_model_selection
pipe: aa134c0255cb4e1c81ac080e0da7ae9
Updated 3 days ago • Created by HOANG QUAN DANG

step4_ConvNeXTiny_model_training
pipe: aa134c0255cb4e1c81ac080e0da7ae9
Updated 3 days ago • Created by HOANG QUAN DANG 99 iterations

step4_GISLR_model_training
pipe: aa134c0255cb4e1c81ac080e0da7ae9
Updated 3 days ago • Created by HOANG QUAN DANG 99 iterations

Pipeline Details

Execution Details

Pipeline Step	Task ID	Task Name	Status	Parameters
step1_data_splitting [base task]	2656f512d23c43e9b560774bc5228084	step1_data_splitting	completed	'General/wlasl_landmarks_dataset_id': \${(pipeline.wlasl_landmarks_dataset_id)} 'General/chosen_landmarks': \${(pipeline.chosen_landmarks)} 'General/chosen_labels': \${(pipeline.chosen_labels)} 'General/max_labels': \${(pipeline.max_labels)}
step2_data_augmentation [base task]	c6766b14f5d0475384c303bc9ba74c5c	step2_data_augmentation	completed	'General/data_splitting_task_id': \${(step1_data_splitting.id)} 'General/augmentation_frequency': \${(pipeline.augmentation_frequency)}
step3_data_transformation [base task]	c6717c7ce1f6d1adbf9b8d76d5bb99	step3_data_transformation	completed	'General/data_splitting_task_id':

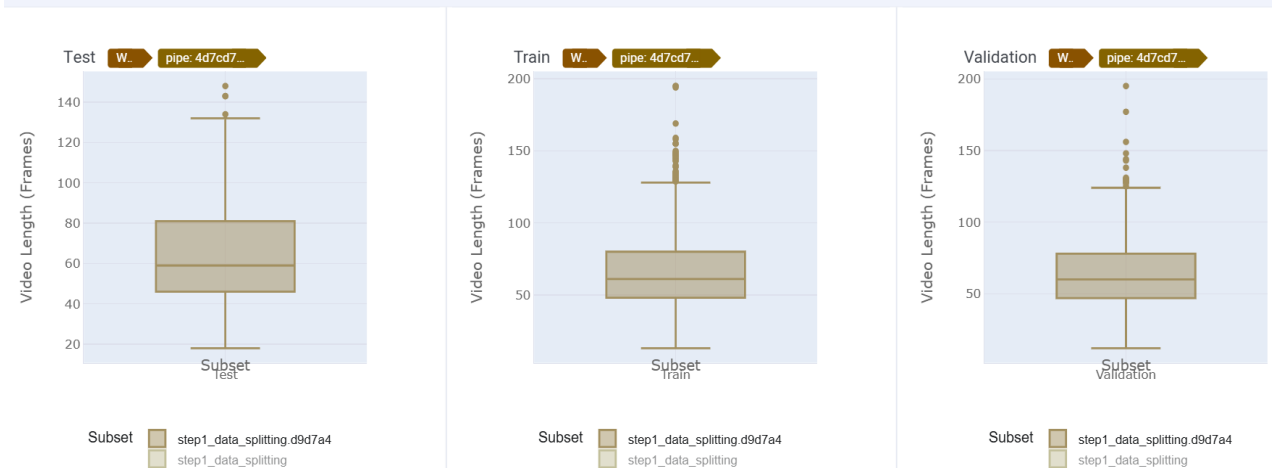
Pipeline Step	Task ID	Task Name	Status	Parameters
				<pre>{ 'General/weights_name': '\${pipeline.last_dropout}', 'General/weights_name': '\${pipeline.weights_name}', 'General/reduce_lr_patience': '\${pipeline.reduce_lr_patience}', 'General/data_transformation_task_id': '\${step3_data_transformation.id}', 'General/model_name': 'ConvNextTiny', 'General/max_frames': '\${pipeline.max_frames}', 'General/pad_value': '\${pipeline.pad_value}', 'General/batch_size': '\${pipeline.batch_size}', 'General/epochs': '\${pipeline.epochs}', 'General/learning_rate': '\${pipeline.learning_rate}', 'General/conv1d_dropout': '\${pipeline.conv1d_dropout}', 'General/last_dropout': '\${pipeline.last_dropout}', 'General/weights_name': '\${pipeline.weights_name}', 'General/reduce_lr_patience': '\${pipeline.reduce_lr_patience}', 'General/model_selection_task_ids': ['\${step4_GISLR_model_training.id}', '\${step4_ConvNextTiny_model_training.id}'], 'General/execution_queue': '\${pipeline.gpu_queue}', 'General/max_iteration_per_job': '\${pipeline.epochs}', 'General/total_max_jobs': 1 }</pre>
step4_ConvNextTiny_model_training [base task]	02a0719081bc4361880cafb576748d88	step4_ConvNextTiny_model_training	completed	
step5_model_selection [base task]	316b523eed24f5db729c0ac75250784	step5_model_selection	completed	
step6_hyperparameter_tuning [base task]	0bd2f6d70b474fb9adb3d7edb0b22ce2	step6_hyperparameter_tuning	completed	
step7_model_evaluation [base task]	6f946ec972f54151b8392088253108de	step7_model_evaluation	completed	

Step 1 - Data Splitting (for both WLASL100 and WLASL300)

Boxplot of Video Length by Subset (Top 100 Glosses) - Statistics



Boxplot of Video Length by Subset (Top 300 Glosses) - Statistics



Dataset Statistics for Top 100 Glosses - Statistics

4/6

step1_data_splitting.ee29a5

WLAS...

pipe: 6c7f726c44a2434eb2739...

Subset	Number of Videos	Number of Classes	Average Frames/Video	Number of Landmarks/Frame	Video Length (mean)	Video Length (std)	Video Length (min)	Video Length (max)
Train	1442	100	65.3710124827	180	65.3710124827	24.0987228782	13	195
Validation	338	100	66.7603550296	180	66.7603550296	25.3954824809	12	195
Test	258	100	62.4612403101	180	62.4612403101	24.1867018487	18	148

Dataset Statistics for Top 300 Glosses - Statistics

4/6

step1_data_splitting.d9d7a4

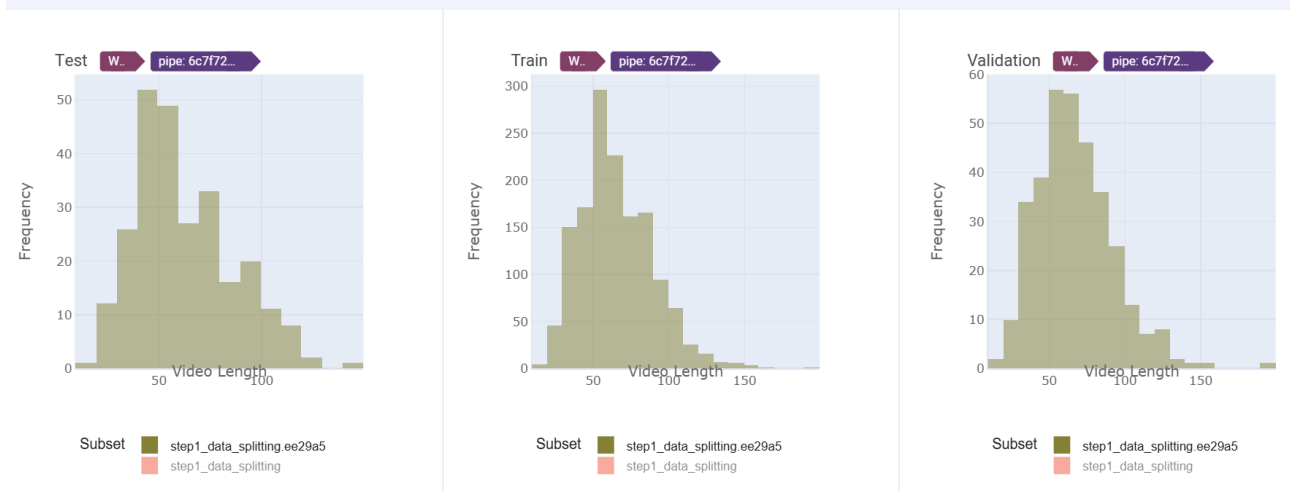
WLAS...

pipe: 4d7cd7aff2404e95aaded6...

Subset	Number of Videos	Number of Classes	Average Frames/Video	Number of Landmarks/Frame	Video Length (mean)	Video Length (std)	Video Length (min)	Video Length (max)
Train	3549	300	65.0904480135	180	65.0904480135	24.374427789	13	195
Validation	900	300	63.8688888889	180	63.8688888889	24.2747191511	12	195
Test	668	300	63.9820359281	180	63.9820359281	24.2825010392	18	148

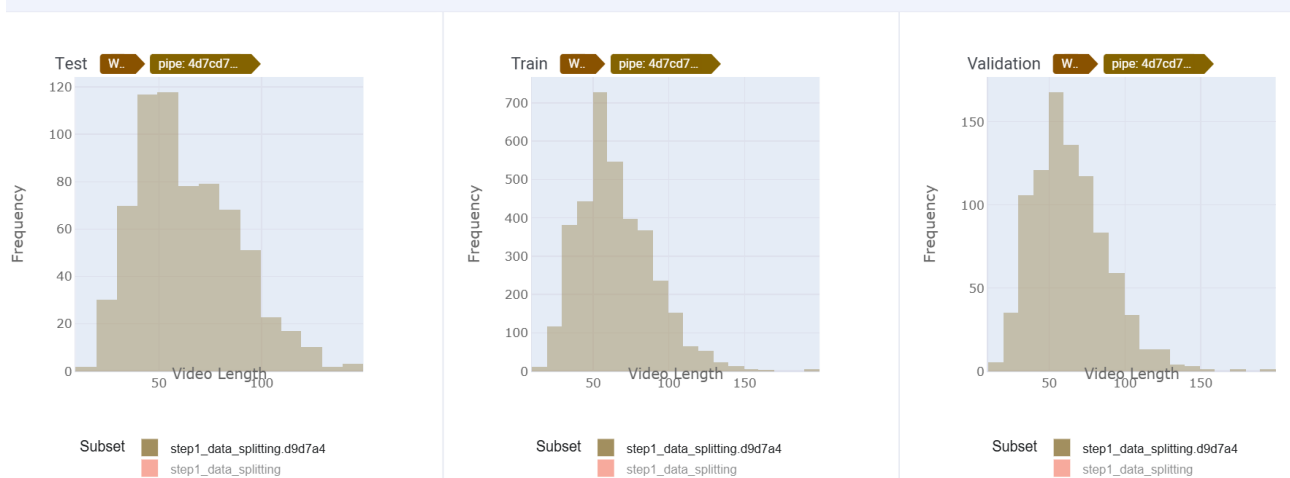
Histogram of Video Length by Subset (Top 100 Glosses) - Statistics

4/6

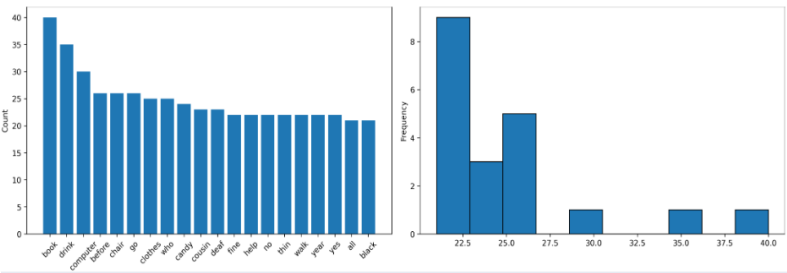


Histogram of Video Length by Subset (Top 300 Glosses) - Statistics

4/6



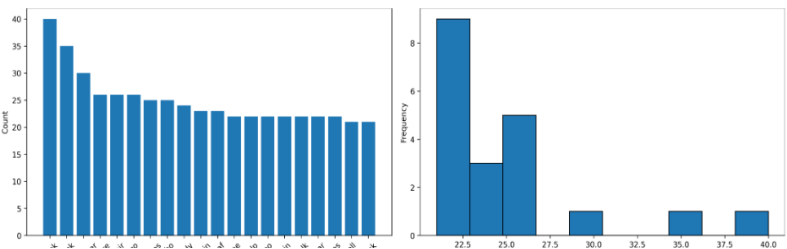
Distribution of Top 20/100 Glosses - Statistics



Word Cloud of Top 20/100 Glosses - Statistics



Distribution of Top 20/300 Glosses - Statistics



Word Cloud of Top 20/300 Glosses - Statistics



Step 2 and 3 - Data Augmentation and Transformation

[illegible]

Step 4 – Multi-model Training (ConvNeXtTiny model)

step4_ConvNeXtTiny_model_training

pipe: aa134c0255cb4e1c81ac080e00a7aea9

EXECUTION

CONFIGURATION

ARTIFACTS

INFO

CONSOLE

SCALARS

PLOTS

DEBUG SAMPLES

Hostname: 3dde0a263a3c:gpuall

Download full log

Filter By Regex

2025-05-20 10:30:02,195 - clearml.storage - INFO - Uploading: 319.87MB / 319.87MB @ 27.13MB/s to wlas1100.keras

2025-05-20 10:30:02,195 - clearml.storage - INFO - Uploading: 319.87MB / 319.87MB @ 0.00MB/s to wlas1100.keras

2025-05-20 10:30:04,796 - clearml.Task - INFO - Completed model upload to https://files.clearml/SyntaxSquad%20ML%20Pipeline/step4_ConvNeXtTiny_model_training

2025-05-20 20:30:13

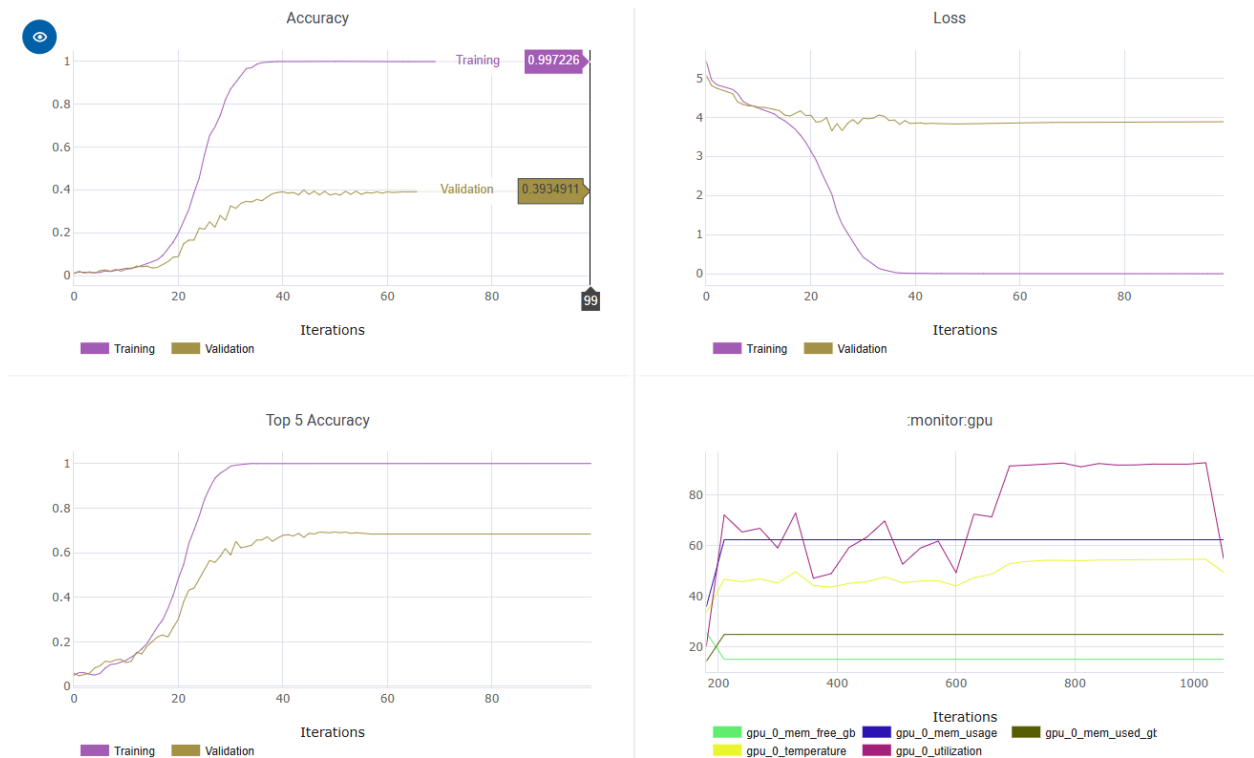
3/3

0s 42ms/step - accuracy: 0.4126 - loss: 3.7024 - top5_accuracy: 0.6751

Best val_loss: 3.8401975631713867, Best val_accuracy: 0.3994082808494568, Best val_top5_accuracy: 0.668639063835144

2025-05-20 20:30:29

Process completed successfully



Step 4 – Multi-model Training (best solution from GISLR competition)

step4_GISLR_model_training ID: 35e5b5ef...

pipe: aa134c0255cb4e1c81ac080e00a7aea9

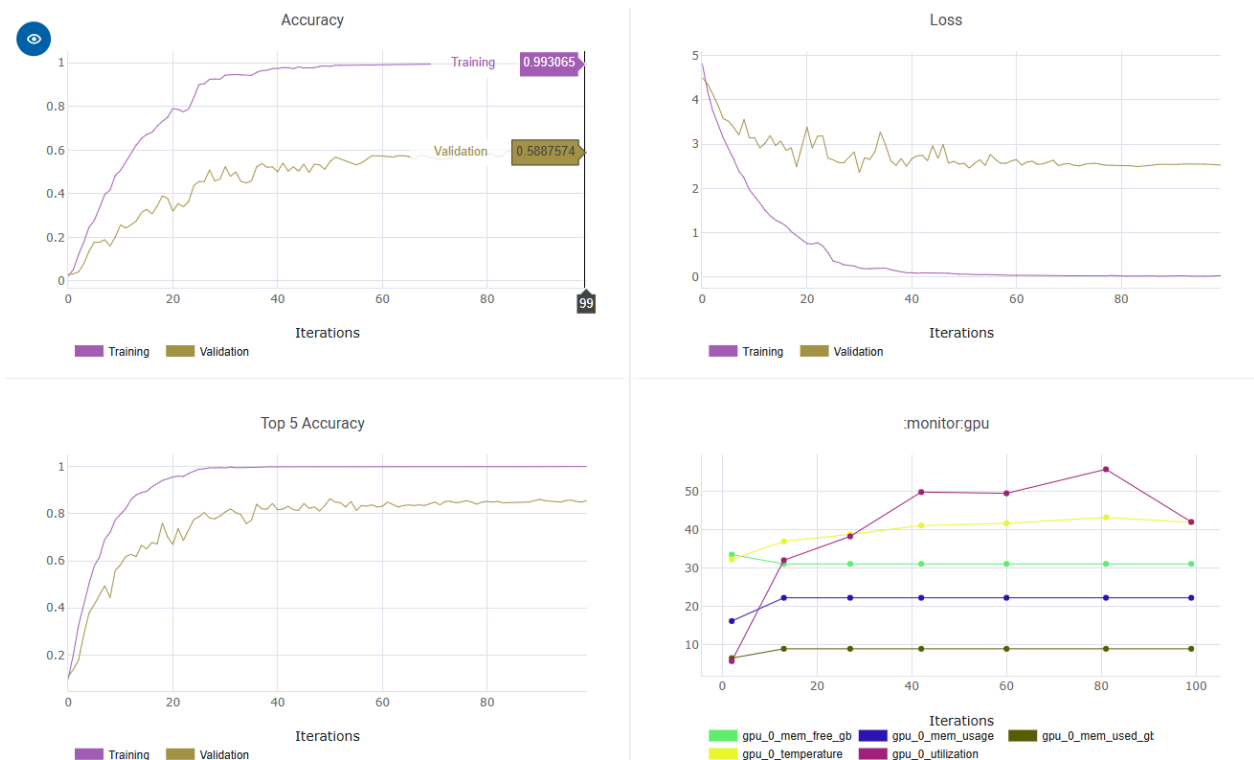
EXECUTION CONFIGURATION ARTIFACTS INFO **CONSOLE** SCALARS PLOTS DEBUG SAMPLES

Hostname: 7b2ae52ff79e:gpuall

[Download full log](#) Filter By Regex

```

2025-05-20 10:17:55,204 - clearml.storage - INFO - Uploading: 20.31MB / 20.31MB @ 64.35MB/s to wlas1100.keras
2025-05-20 10:17:55,204 - clearml.storage - INFO - Uploading: 20.31MB / 20.31MB @ 0.00MB/s to wlas1100.keras
3/3 ----- 0s 18ms/step - accuracy: 0.5996 - loss: 2.3937 - top5_accuracy: 0.8518
Best val_loss: 2.5020670890808105, Best val_accuracy: 0.5976331233978271, Best val_top5_accuracy: 0.8461538553237915
2025-05-20 10:17:57,222 - clearml.Task - INFO - Completed model upload to https://files.clearml/SyntaxSquad/.pipelines/SyntaxSquad%20ML%20Pipeline/step4_GISLR_
2025-05-20 20:18:12 Process completed successfully
  
```



Step 5 – Model Selection (based on top-1 accuracy)

step5_model_selection

pipe: aa134c0255cb4e1c81ac080e00a7aea9

EXECUTIONCONFIGURATIONARTIFACTSINFOCONSOLESCALARSPLOTSDEBUG SAMPLES

Hostname: 6c47cc48f51a:gpuall

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2025-05-20 20:31:41

ClearML results page: <https://app.clear.ml/projects/ab65c2cd478a411da62d403d389357de/experiments/316b523eed24f5db729c0ac75250784/output/log>
Best Model Training Task ID: 35e5b5ef355b43b6ae4247920a08c4a4
Best Model Name: GISLR
Validation Loss: 2.5020670890808105
Validation Top-5 Accuracy: 0.8461538553237915
Validation Accuracy: 0.5976331233978271
ClearML Monitor: GPU monitoring failed getting GPU reading, switching off GPU monitoring

2025-05-20 20:31:52

Process completed successfully

Step 6 – Hyperparameter Tuning (Multi-objective optimization)

step6_hyperparameter_tuning

optimization

pipe: aa134c0255cb4e1c81ac080e00a7aea9

EXECUTIONCONFIGURATIONARTIFACTSINFOCONSOLESCALARSPLOTSDEBUG SAMPLES

Hostname: 6c47cc48f51a:gpuall

Download full logFilter By Regex

2025-05-20 20:33:15

2025-05-20 10:33:11,676 - clearml.automation.optimization - INFO - Creating new Task: {'General/batch_size': 256, 'General/learning_rate': 0.0006000000000000001, 'General/conv1d_dropout': 0.2, 'General/last_dropout': 0.5, 'General/reduce_lr_patience': 3, 'Best Metrics/val_loss': 2.2650980949401855, 'Best Metrics/val_acc': 0.6035503149032593}

2025-05-20 20:33:26

2025-05-20 10:33:12,122 - clearml.automation.optimization - INFO - Creating new Task: {'General/batch_size': 256, 'General/learning_rate': 0.0006000000000000001, 'General/conv1d_dropout': 0.2, 'General/last_dropout': 0.5, 'General/reduce_lr_patience': 3, 'Best Metrics/val_loss': 2.2650980949401855, 'Best Metrics/val_acc': 0.6035503149032593}

2025-05-20 20:38:28

Progress report #1 completed, sleeping for 5.0 minutes

2025-05-20 20:40:22

OptunaObjective result metric=[2.0324881076812744, 0.5177514553070068], iteration [[99, 2.0324881076812744), (99, 0.5177514553070068)]

2025-05-20 20:42:10

OptunaObjective result metric=[2.2650980949401855, 0.6035503149032593], iteration [[99, 2.2650980949401855), (99, 0.6035503149032593)]

2025-05-20 20:42:15

Best Job: 908db57f0b584a7ca9d6fb8c2f18252c
Best HPO Parameters: {'TF_DEFINE/logtostderr': 'False', 'TF_DEFINE/alsologtostderr': 'False', 'TF_DEFINE/log_dir': '', 'TF_DEFINE/v': '-1', 'TF_DEFINE/verbosity': '-1', 'Best Metrics': {'val_loss': {'last': 2.2650980949401855, 'min': 2.2650980949401855, 'max': 2.2650980949401855}, 'val_top5_accuracy': {'last': 0.8727810382843018, 'min': 0.8727810382843018, 'max': 0.8727810382843018}}

2025-05-20 20:43:30

Job 908db57f0b584a7ca9d6fb8c2f18252c completed with objective value [2.2650980949401855, 0.6035503149032593] at iteration [99, 99]
New top performer! This job broke the record.
Parameters: {'status': 'completed', 'General/batch_size': 256, 'General/learning_rate': 0.0006000000000000001, 'General/reduce_lr_patience': 3, 'General/conv1d_dropout': 0.2, 'General/last_dropout': 0.5, 'General/reduce_lr_patience': 3, 'Best Metrics/val_loss': 2.2650980949401855, 'Best Metrics/val_acc': 0.6035503149032593}

2025-05-20 20:43:36

Archiving Task id=f7a884b3022d4f74ba3c62fdb8e94b2d (#1 objective=[2.0324881076812744, 0.5177514553070068])
Updating job performance summary plot/table

2025-05-20 20:43:47

Process completed successfully

TASKS LIST

Sorted By

step5_model_selection

step4_GISLR_model_training

step4_ConvNeXTiny_model_training

step6_model_evaluation

step6_hyperparameter_tuning

SyntaxSquad ML Pipeline #5

step6_hyperparameter_tuning

optimization

pipe: aa134c0255cb4e1c81ac080e00a7aea9

EXECUTIONCONFIGURATIONARTIFACTSINFOCONSOLESCALARSPLOTSDEBUG SAMPLES

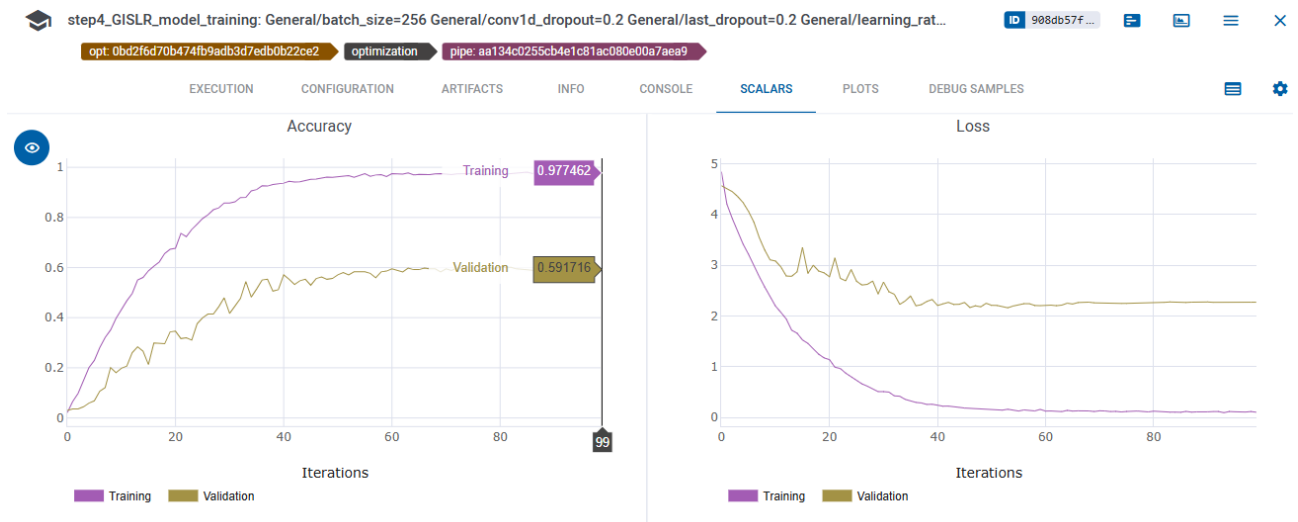
COMPLETED

Parallel Coordinates

summary

objective: Best Metrics/val_loss, Best Metrics/val_accuracy

task id	Best Metrics/val_loss	Best Metrics/val_accuracy	Iteration	General/batch_size	General/conv1d_dropout	General/last_dropout	General/learning_rate	General/reduce_lr_patience	status
908db57f0b584a7c	2.2650980949401855	0.6035503149032593	99	256	0.2	0.2	0.0006000000000000001	3	completed
f7a884b3022d4f74	2.0324881076812744	0.5177514553070068	99	256	0.4	0.5	0.0006000000000000001	2	completed



Step 7 – Model Evaluation

step7_model_evaluation

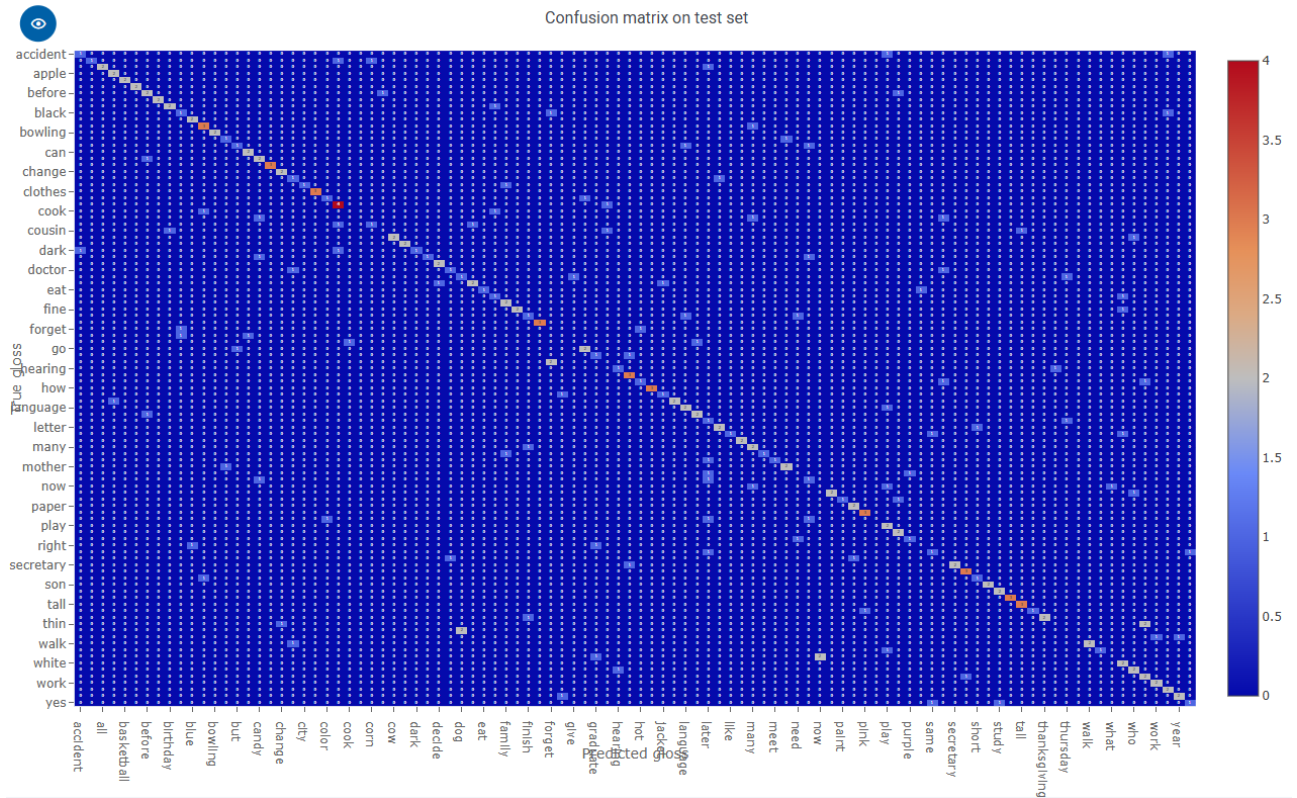
pipe: aa134c0255cb4e1c81ac080e00a7aea9

EXECUTION CONFIGURATION ARTIFACTS INFO CONSOLE SCALARS PLOTS DEBUG SAMPLES

Classification report on test set

Statistics

	precision	recall	f1-score	support
short	0.5	0.5	0.5	2
son	1	1	1	2
study	0.666666667	1	0.8	2
table	1	1	1	3
tall	0.75	1	0.8571428571	3
tell	1	0.5	0.666666667	2
thanksgiving	1	0.666666667	0.8	3
thin	0	0	0	3
thursday	0	0	0	2
time	0	0	0	2
walk	1	0.666666667	0.8	3
want	1	0.5	0.666666667	2
what	0	0	0	3
white	0.4	1	0.5714285714	2
who	0.5	0.666666667	0.5714285714	3
woman	0.4	0.666666667	0.5	3
work	0.666666667	1	0.8	2
wrong	0.5	1	0.666666667	2
year	0.666666667	0.666666667	0.666666667	3
yes	0.5	0.3333333333	0.4	3
accuracy	0.5736434109	0.5736434109	0.5736434109	0.5736434109
macro avg	0.5868095238	0.5771666667	0.553484127	258



Model evaluation metrics on 3 subsets

Statistics

Subset	Loss	Accuracy	Top-5 Accuracy
Train	0.0096978797	0.9986130595	1
Validation	2.2650980949	0.6035503149	0.8727810383
Test	2.3437681198	0.5736433864	0.8410852551



step7_model_evaluation

ID 6f946ec9...

pipe: aa134c0255cb4e1c81ac0...

EXECUTION

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Summary

test_accuracy

0.5736433863639832

test_loss

2.3437681198120117

test_top5_accuracy

0.8410852551460266

CI/CD Pipeline with GitHub Actions

← Pipeline CI/CD automation

✓ Scrum 151 ci cd with GitHub actions #5

Re-run

Summary

Jobs

- ✓ test-remote-runnable
- ✓ execute-pipeline
- ✓ report-pipeline-metrics
- ✓ production-pipeline-tagging
- ✓ deploy-fastapi

Run details

Usage

Workflow file

Triggered via pull request 3 days ago

QuantUS synchronize #16 SCRUN-151-CI-CD-with-GitHub...

Status

Success

Total duration

59m 53s

Artifacts

—

pipeline.yaml

on: pull_request

test-remote-runnable

2m 16s

execute-pipeline

52m 7s

production-pipeline-tagging

22s

deploy-fastapi

4m 52s

report-pipeline-metrics

20s

Job 1. test-remote-runnable

test-remote-runnable
succeeded 3 days ago in 2m 16s

Q Search logs

🔄 ⚙️

▼ 🟢 🟡 Step 5 - Poll for task progress 59s

```
1 ▼ Run python cicd/check_remotely_runnable.py "2db1133e48e64d1c9939b4fa75519058"
2 python cicd/check_remotely_runnable.py "2db1133e48e64d1c9939b4fa75519058"
3 echo "🟢 This job's status is success."
4 shell: /usr/bin/bash -e {0}
5 env:
6   CLEARML_API_HOST: ***
7   CLEARML_API_ACCESS_KEY: ***
8   CLEARML_API_SECRET_KEY: ***
9   QUEUE: Remote_CPU
10  pythonLocation: /opt/hostedtoolcache/Python/3.11.12/x64
11  PKG_CONFIG_PATH: /opt/hostedtoolcache/Python/3.11.12/x64/lib/pkgconfig
12  Python_ROOT_DIR: /opt/hostedtoolcache/Python/3.11.12/x64
13  Python2_ROOT_DIR: /opt/hostedtoolcache/Python/3.11.12/x64
14  Python3_ROOT_DIR: /opt/hostedtoolcache/Python/3.11.12/x64
15  LD_LIBRARY_PATH: /opt/hostedtoolcache/Python/3.11.12/x64/lib
16  queued
17  in_progress
18  in_progress
19  in_progress
20  in_progress
21  in_progress
22  in_progress
23  in_progress
24  in_progress
25  in_progress
26  in_progress
27  in_progress
28  🟢 This job's status is success.
```

Job 2. execute-pipeline

execute-pipeline
succeeded 3 days ago in 52m 7s

Q Search logs

🔄 ⚙️

> 🟢 Set up job 0s

> 🟢 🟡 Step 0 - Check the event type 0s

> 🟢 🟡 Step 1 - Checkout the repository 2s

> 🟢 🟡 Step 2 - Set up Python 0s

> 🟢 🟡 Step 3 - Install ClearML 10s

▼ 🟢 🟡 Step 4 - Run the pipeline 51m 52s

```
1 ▶ Run python pipeline_from_tasks.py
15 ClearML Task: created new task id=aa134c0255cb4e1c81ac080e00a7aea9
16 ClearML results page: https://app.clear.ml/projects/ab65c2cd478ad11da62d403d389357de/experiments/aa134c0255cb4e1c81ac080e00a7aea9/output/log
17 ClearML pipeline page: https://app.clear.ml/pipelines/ab65c2cd478ad11da62d403d389357de/experiments/aa134c0255cb4e1c81ac080e00a7aea9
18 2025-05-20 09:54:11,597 - clearml.util - WARNING - 2 task found when searching for '{"project_name": 'SyntaxSquad', 'task_name': 'Step 4: Prepare TF dataset
with nose normalization and train the model', 'include_archived': True, 'task_filter': {'status': ['created', 'queued', 'in_progress', 'published',
'stopped', 'completed', 'closed']}]}'
19 2025-05-20 09:54:11,598 - clearml.util - WARNING - Selected task `Step 4: Prepare TF dataset with nose normalization and train the model`
(id=e14eead9a02740789dd8be36691e8974)
20 2025-05-20 09:54:11,748 - clearml.util - WARNING - 2 task found when searching for '{"project_name": 'SyntaxSquad', 'task_name': 'Step 4: Prepare TF dataset
with nose normalization and train the model', 'include_archived': True, 'task_filter': {'status': ['created', 'queued', 'in_progress', 'published',
'stopped', 'completed', 'closed']}]}'
21 2025-05-20 09:54:11,748 - clearml.util - WARNING - Selected task `Step 4: Prepare TF dataset with nose normalization and train the model`
(id=e14eead9a02740789dd8be36691e8974)
22 Launching the next 1 steps
23 Launching step [step1_data_splitting]
```

107 Completed Task id=6f946ec972f54151b8392088253108de

108 Launching the next 0 steps

109 🟢 This job's status is success.

> 🟢 Post 🟡 Step 2 - Set up Python 0s

> 🟢 Post 🟡 Step 1 - Checkout the repository 0s

> 🟢 Complete job 0s

Job 3. report-pipeline-metrics

report-pipeline-metrics
succeeded 3 days ago in 20s

Search logs

> Set up job 1s

> Step 0 - Check the event type 0s

> Step 1 - Checkout the repository 2s

> Step 2 - Set up Python 0s

> Step 3 - Install dependencies 13s

> Step 4 - Comment metrics from step7_model_evaluation of the pipeline 3s

```
1 ▶ Run python cid/pipeline_reports.py
17 Running on commit hash: 44b94a28eb960ba1f1418cffc44270aee79a7a41
18 {'action': 'synchronize', 'after': '44b94a28eb960ba1f1418cffc44270aee79a7a41', 'before': 'e3a4c8f694c65e2e36446d93e71c575366fbc2e', 'number': 16,
'pull_request': {'_links': {'comments': {'href': 'https://api.github.com/repos/HengkyUTS/SyntaxSquad/issues/16/comments'}, 'commits': {'href':
'https://api.github.com/repos/HengkyUTS/SyntaxSquad/pulls/16/commits'}, 'html': {'href': 'https://github.com/HengkyUTS/SyntaxSquad/pull/16'}, 'issue':
{'href': 'https://api.github.com/repos/HengkyUTS/SyntaxSquad/issues/16'}, 'review_comment': {'href':
'https://api.github.com/repos/HengkyUTS/SyntaxSquad/pulls/comments/{number}'}, 'review_comments': {'href':
'https://api.github.com/repos/HengkyUTS/SyntaxSquad/pulls/16/comments'}, 'self': {'href': 'https://api.github.com/repos/HengkyUTS/SyntaxSquad/pulls/16'},
'statuses': {'href': 'https://api.github.com/repos/HengkyUTS/SyntaxSquad/statuses/44b94a28eb960ba1f1418cffc44270aee79a7a41'}}, 'active_lock_reason': None,
'additions': 83, 'assignee': None, 'assignees': [], 'author_association': 'COLLABORATOR', 'auto_merge': None, 'base': {'label': 'HengkyUTS:main', 'ref':
'main', 'repo': {'allow_auto_merge': False, 'allow_forking': True, 'allow_merge_commit': True, 'allow_rebase_merge': True, 'allow_squash_merge': True,
'allow_update_branch': False, 'archive_url': 'https://api.github.com/repos/HengkyUTS/SyntaxSquad/{archive_format}/{ref}', 'archived': False,
'assignees_url': 'https://api.github.com/repos/HengkyUTS/SyntaxSquad/assignees{/user}', 'blobs_url':
```

QuanUTS added 3 commits 3 days ago

Merge branch 'main' into SCRUM-151-CI-CD-with-GitHub-Actions 864e3ba

Merge branch 'main' into SCRUM-151-CI-CD-with-GitHub-Actions fe791a3

SCRUM-135 Update FastAPI deployment step to increase wait time for se... 44b94a2 ✓

QuanUTS commented 3 days ago

Author ...

Model evaluation metrics on 3 subsets:

Subset	Loss	Accuracy	Top-5 Accuracy
Train	0.00969788	0.998613	1
Validation	2.2651	0.60355	0.872781
Test	2.34377	0.573643	0.841085

You can view full task results [here](#)

QuanUTS merged commit 9554c8e into main 3 days ago

5 checks passed

View details

Revert

Job 4. production-pipeline-tagging

production-pipeline-tagging
succeeded 3 days ago in 22s

Search logs

> Set up job 1s

> Step 0 - Check the event type 0s

> Step 1 - Checkout the repository 1s

> Step 2 - Set up Python 0s

> Step 3 - Install dependencies 14s

> Step 4 - Assign the latest Pipeline as production if it's better than the current one 2s

```
1 ▶ Run python cid/production_tagging.py
16 Running on commit hash: 44b94a28eb960ba1f1418cffc44270aee79a7a41
17 Best test_accuracy in the system is: 0.6162790656089783 and current metric is 0.5736433863639832
18 This means current test_accuracy is worse! Not tagging.
19 🟢 This job's status is success.
```

Job 5. deploy-fastapi

deploy-fastapi

succeeded 3 days ago in 4m 52s

Q Search logs

🔄 ⚙️

> Step 0 - Check the event type0s

> Step 1 - Checkout the repository2s

> Step 2 - Set up Python0s

> Step 3 - Install dependencies41s

✓ Step 4 - Deploy FastAPI model serving4m 5s

1 ▶ Run fastapi dev serving/pose2gloss.py & # Start the FastAPI server in the background

18

19 FastAPI Starting development server 🚀

20

21 Searching for package file structure from directories with

22 __init__.py files

23 2025-05-20 10:47:16.474909: I external/local_xla/xla/tsl/cuda/cudart_stub.cc:32] Could not find cuda drivers on your machine, GPU will not be used.

24 2025-05-20 10:47:16.478069: I external/local_xla/xla/tsl/cuda/cudart_stub.cc:32] Could not find cuda drivers on your machine, GPU will not be used.

25 2025-05-20 10:47:16.484699: E external/local_xla/xla/stream_executor/cuda/cuda_fft.cc:477] Unable to register cuFFT factory: Attempting to register factory for plugin cuFFT when one has already been registered

26 WARNING: All log messages before absl::InitializeLog() is called are written to STDERR

27 E0000 00:00:1747738036.499090 1904 cuda_dnn.cc:8310] Unable to register cuDNN factory: Attempting to register factory for plugin cuDNN when one has already been registered

28 E0000 00:00:1747738036.504085 1904 cuda_blas.cc:1418] Unable to register cuBLAS factory: Attempting to register factory for plugin cuBLAS when one has already been registered

29 2025-05-20 10:47:16.519525: I tensorflow/core/platform/cpu_feature_guard.cc:210] This TensorFlow binary is optimized to use available CPU instructions in performance-critical operations.

30 To enable the following instructions: AVX2 FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.

31 Importing from /home/runner/work/SyntaxSquad

32

33 module SyntaxSquad

34 |— __init__.py

35 |— serving

36 |— __init__.py

37 |— pose2gloss.py

39 code Importing the FastAPI app object from the module with the following

40 code:

41

42 from SyntaxSquad.serving.pose2gloss import app

43

44 app Using import string: SyntaxSquad.serving.pose2gloss:app

45

46 server Server started at <http://127.0.0.1:8000>

47 server Documentation at <http://127.0.0.1:8000/docs>

48

49 tip Running in development mode, for production use: fastapi run

50

51 Logs:

52

53 INFO Will watch for changes in these directories:

54 ['/home/runner/work/SyntaxSquad/SyntaxSquad']

55 INFO Uvicorn running on <http://127.0.0.1:8000> (Press CTRL+C to quit)

56 INFO Started reloader process [1904] using WatchFiles

108 % Total % Received % Xferd Average Speed Time Time Time Current

109 Dload Upload Total Spent Left Speed

110

111 INFO 127.0.0.1:46236 - "GET /health HTTP/1.1" 200

112 0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:-- 0

113 100 40 100 40 0 0 20376 0 --:--:-- --:--:-- --:--:-- 40000

✓ Step 5 - Notify deployment status0s

1 ▶ Run echo "FastAPI model serving deployed successfully on port \$FASTAPI_PORT"

15 FastAPI model serving deployed successfully on port 8000

✓ Step 6 - Stop FastAPI server (cleanup)0s

1 ▶ Run kill \$(cat fastapi.pid) # Stop the FastAPI server using the saved PID

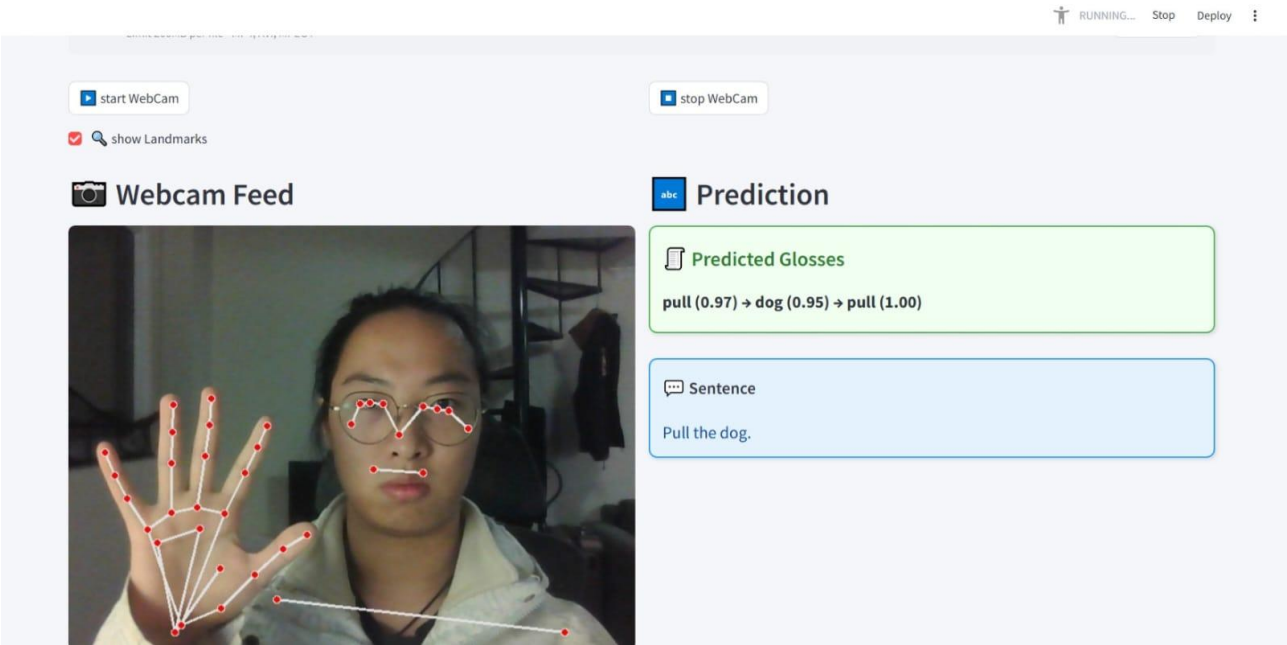
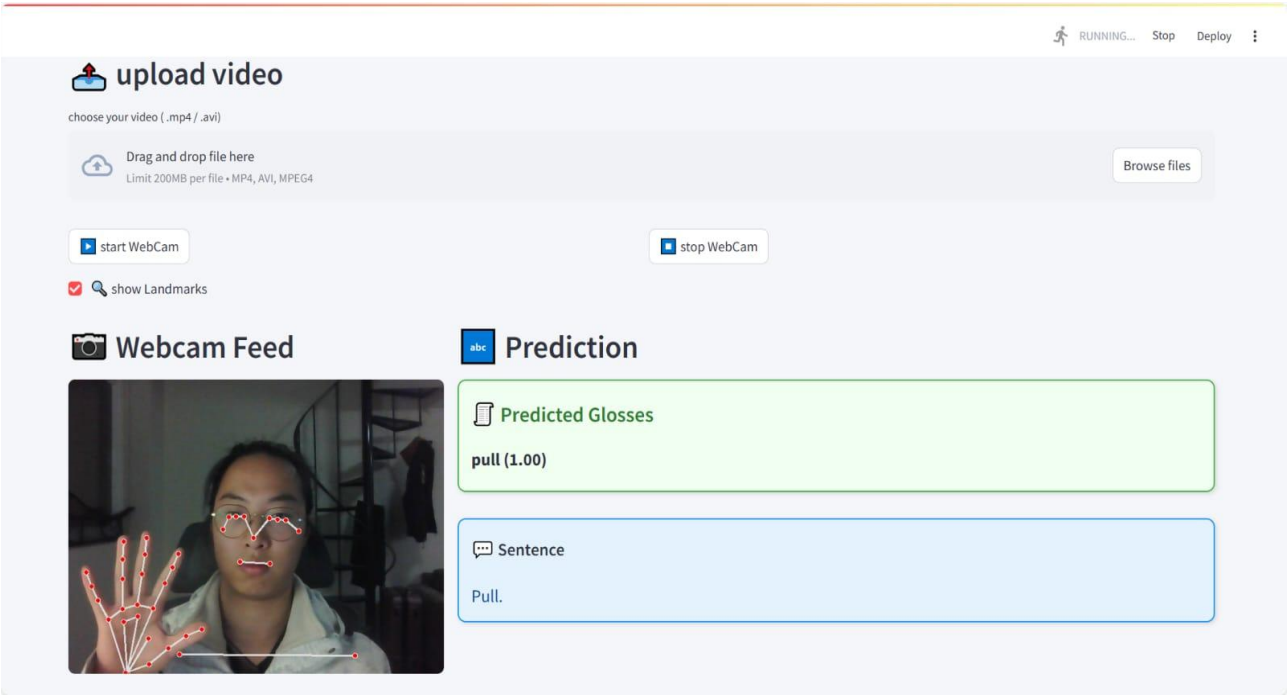
16 🟢 This job's status is success.

> Post Step 2 - Set up Python0s

> Post Step 1 - Checkout the repository1s

> Complete job0s

Product User Interface (MVP)



👋 Real-time ASL Translator

[start WebCam](#)[stop WebCam](#)[show Landmarks](#)

📷 Webcam Feed



📺 Prediction

📄 Predicted Glosses

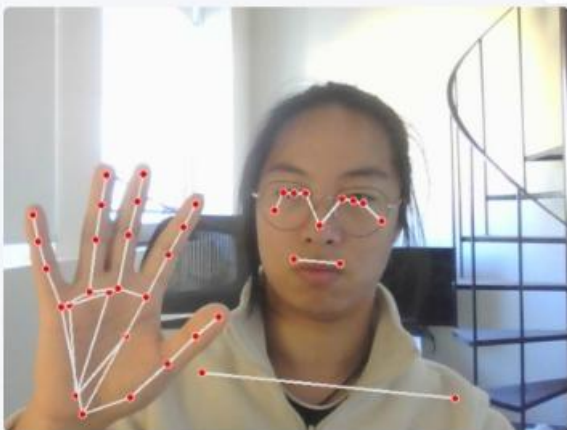
work (0.48) → dog (0.92) → dog (0.82)

💬 Sentence

I work with dogs.

[show Landmarks](#)

📷 Webcam Feed



📺 Prediction

📄 Gloss

GLOSS: HELLO MY NAME

💬 Sentence

Hello, my name is John.

🖱️/Alt + A