

# Live Session-19

## The Saturday's Ritual:

Folks sharing their experiences and the opportunities they're working on

→Meet Desai

→Pranay Prajapathi

→Akhilesh

## Opportunities:

- [Upwork](#)
- [ai-jobs.net](#)
- [prompthero.com](#)
- [aiassistedjobs.com](#)
- [BMW internship](#)

## Actions to be taken after this lecture:

- ☐ Identify business applications of all the modules you have learnt so far.  
(Extension of Assignment-3: Build your AI databases)
- ☐ Apply for different opportunities based on your strengths.
- ☐ Deploy Capstone Projects on Baseten.

## Cheatsheet for Assignment-3

- <https://a16z.com/100-gen-ai-apps/>
- <https://github.com/steven2358/awesome-generative-ai>

## Notes:

- Build UI using Gradio
- Use python to build API

## HandsOn (Deploying your ComfyUI using Baseten-Serverless Inferencing)

▼ Get the JSON API from your ComfyUI workflow (Example here).

```
{
  "3": {
    "inputs": {
      "seed": "{{seed}}",
      "steps": 40,
      "cfg": 7,
      "sampler_name": "euler",
      "scheduler": "normal",
      "denoise": 1,
      "model": [
        "14",
        0
      ],
      "positive": [
        "10",
        0
      ],
      "negative": [
        "7",
        0
      ],
    ]
  }
}
```

```

        "latent_image": [
            "5",
            0
        ]
    },
    "class_type": "KSampler"
},
"5": {
    "inputs": {
        "width": 1024,
        "height": 1024,
        "batch_size": 1
    },
    "class_type": "EmptyLatentImage"
},
"6": {
    "inputs": {
        "text": "{{positive_prompt}}",
        "clip": [
            "14",
            1
        ]
    },
    "class_type": "CLIPTextEncode"
},
"7": {
    "inputs": {
        "text": "{{negative_prompt}}",
        "clip": [
            "14",
            1
        ]
    },
    "class_type": "CLIPTextEncode"
},
"8": {

```

```

    "inputs": {
      "samples": [
        "3",
        0
      ],
      "vae": [
        "14",
        2
      ]
    },
    "class_type": "VAEDecode"
  },
  "10": {
    "inputs": {
      "strength": 0.6,
      "conditioning": [
        "6",
        0
      ],
      "control_net": [
        "12",
        0
      ],
      "image": [
        "16",
        0
      ]
    },
    "class_type": "ControlNetApply"
  },
  "11": {
    "inputs": {
      "image": "{{controlnet_image}}",
      "choose file to upload": "image"
    },
    "class_type": "LoadImage"
  }

```

```

},
"12": {
  "inputs": {
    "control_net_name": "diffusers_xl_canny_full.safetensor",
  },
  "class_type": "ControlNetLoader"
},
"14": {
  "inputs": {
    "ckpt_name": "sd_xl_base_1.0.safetensors"
  },
  "class_type": "CheckpointLoaderSimple"
},
"15": {
  "inputs": {
    "images": [
      "16",
      0
    ]
  },
  "class_type": "PreviewImage"
},
"16": {
  "inputs": {
    "low_threshold": 0.2,
    "high_threshold": 0.6,
    "image": [
      "11",
      0
    ]
  },
  "class_type": "Canny"
},
"18": {
  "inputs": {
    "images": [

```

```
        "8",  
        0  
    ]  
    },  
    "class_type": "PreviewImage"  
  }  
}
```



This can be done by enabling the Dev options in the settings of your ComfyUI.

## Start a new terminal



RUN the commands:

```
pip install --upgrade truss
```

```
git clone https://github.com/basetenlabs/truss-examples.git
```

```
cd truss-examples/comfyui-truss
```

```
truss push
```

## Paste your API key on the terminal



You can do this by getting your API key from the link

[https://app.baseten.co/settings/account/api\\_keys?  
\\_gl=1\\*r9qz5d\\*\\_gcl\\_au\\*MTQ3MTE0ODcwNC4xNzExNzlwMDAy](https://app.baseten.co/settings/account/api_keys?_gl=1*r9qz5d*_gcl_au*MTQ3MTE0ODcwNC4xNzExNzlwMDAy)

## Links:

Baseten tutorial: <https://www.baseten.co/blog/how-to-serve-your>

Video: [https://youtu.be/nNhw\\_AxW7\\_E](https://youtu.be/nNhw_AxW7_E)

JSON formatter: <https://jsonformatter.org/json-viewer>

Base64 convertor: <https://codebeautify.org/>