

Good NLP paper-
(However may be a bit tough)

IE643 - 2023 Project Topics List

Sr. No.	Paper Title	Paper Link	Published In	Source Code Link
1	LEARNING STRIDES IN CONVOLUTIONAL NEURAL NETWORKS	https://openreview.net/forum?id=M752z9FKJP	ICLR 2022	https://github.com/google-research/diffstride
2	NETWORK AUGMENTATION FOR TINY DEEP LEARNING	https://openreview.net/pdf?id=TYw3-0lrRm-	ICLR 2022	https://github.com/mit-han-lab/tinymt/tree/master/netaug
3	ON INCORPORATING INDUCTIVE BIASES INTO VAES	https://openreview.net/pdf?id=nzvbBD_3J-g	ICLR 2022	https://github.com/NingMiao/Intel-VAE
4	POUF: Prompt-Oriented Unsupervised Fine-tuning for Large Pre-trained Models	https://proceedings.mlr.press/v202/tanwisuth23a/tanwisuth23a.pdf	ICML 2023	https://github.com/korawat-tanwisuth/POUF
5	Improving Visual Prompt Tuning for Self-supervised Vision Transformers	https://proceedings.mlr.press/v202/yoo23a/yoo23a.pdf	ICML 2023	https://github.com/ryongithub/GatedPromptTuning
6	Prompting Decision Transformer for Few-Shot Policy Generalization	https://proceedings.mlr.press/v162/xu22g/xu22g.pdf	ICML 2022	https://mxu34.github.io/PromptDT/
7	Graph-Relational Domain Adaptation	https://openreview.net/pdf?id=kcwyXtt7yDJ	ICLR 2022	https://github.com/Wang-M-L-Lab/GRDA
8	Rethinking Graph Neural Networks for Anomaly Detection	https://arxiv.org/pdf/2205.15508.pdf	ICML2022	https://github.com/squareRoot3/Rethinking-Anomaly-Detection
9	Nested Graph Neural Networks	https://papers.nips.cc/paper/2021/file/8462a7c229aea03dde69da754c3bbcc4-Paper.pdf	NIPS 2021	https://github.com/muhanzhang/NestedGNN
10	Gaussian Mixture Variational Autoencoder with Contrastive Learning for Multi-Label Classification	https://proceedings.mlr.press/v162/bai22c/bai22c.pdf	ICML 2022	https://github.com/JunwenBai/c-gmvae
11	DiGress: Discrete Denoising diffusion for graph generation	https://openreview.net/pdf?id=UaAD-Nu86WX	ICLR 2023	https://github.com/cvignac/DiGress.git
12	Gaussian Process Prior Variational Autoencoders	https://proceedings.neurips.cc/paper_files/paper/2018/file/1c336b8080f82bcc2cd2499b4c57261d-Paper.pdf	NeurIPS 2018	https://github.com/fpcasale/GPPVAE

Diffusion model