

PUSHPANKAR KUMAR

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SKILLS

Expert	Natural Language Processing	Pytorch, Python, Linux
Proficient	Computer Vision, Algorithms & Data structures	Tensorflow, C/C++, Java
Beginner	Android development, Web development	JavaScript, SQL, Elixir

EXPERIENCE

EdgeNetworks May 2018 - Present
Data Scientist

- Developed a information retrieval system to rank resumes for a JD and achieved 82.51% NDCG@20
- Built a knowledge graph incorporating 30000+ titles, 70000+ skills and 100+ industries.
- Did knowledge base completion using ComplEx tensor factorization, SVD, and other techniques.

ParallelDots July 2017 - May 2018
Data Scientist

- Developed a multi-task learning algorithm with self-attention mechanism to classify emotion, intent, and sentiment. Achieved 80% accuracy for ternary sentiment classification.
- Implemented a aspect based sentiment classifier and achieved state-of-the-art level accuracy.
- Improved accuracy of sentiment, emotion, and intent classification by upto 8% using transfer learning.
- Develop unsupervised model in Tensorflow to find topics in a document and similar document using LDA2vec.

PAPER

Train Once, Test Anywhere: Zero-Shot Learning for Text Classification

- Developed a new technique for classifying text by just having the definition of classes.
- Achieved results comparable to supervised ML techniques and showcased the potential of vast amount of noisy data.

PROJECTS

- Developed group study platform as a part of YCombinator's Startup School program.
- Developed social media platform for sharing election news and memes using techonologies like Elixir, GraphQL, and ReactJS.

EDUCATION

National Institute of Technology Srinagar August 2013 - July 2017
Metallurgical and Material Engineering

Udacity Dec 2016 - Feb 2017
Machine learning Nanodegree
Topics Covered - Supervised learning, Unsupervised Learning, Reinforcement Learning, Deep Learning

Relevant MOOCs (*uncertified*)
Stanford CS224D (NLP), Stanford CS231N (Computer Vision), Algorithms(MIT OCW)