Aayush Yadav

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website & blog

Education

University of Pune, India // Bachelor of Engineering
JUN 2013 - JUL 2017, PUNE

Studied Computer Engineering at the **Army Institute of Technology**.

Graduated with a first class with distinction.

Experience

ParallelDots, Inc. // Associate Data Scientist
JUL 2018 - PRESENT, GURGAON

Researching and developing state-of-the-art text and natural language solutions for the ParallelDots AI API. Working on problems in domain adaptation and transfer learning techniques in NLP, and on Bayesian machine learning.

Indian Institute of Technology, Delhi // Research Intern
AUG 2017 - MAY 2018, NEW DELHI

Worked under Dr. Jayadeva of the Dept. of Electrical Engineering. Studied the generalisation properties of deep neural networks, co-wrote a study paper and assisted with one academic paper.

Edelweiss Financial Services // Data Science Intern
JUN 2016 - JUL 2016, MUMBAI

Designed and developed a model to predict propensity of claims in new insurance policies for the Risk Analytics team at *Edelweiss-Tokio Life Insurance*. Model achieved an AUC of 0.89 on a dataset with extreme class imbalance.

Publications

Camera2Caption: A Real-Time Image Caption Generator[1]
P. Mathur, A. Gill, A. Yadav, A. Mishra, N.K. Bansode
IEEE International Conference on Computational Intelligence in Data Science (ICCIDS 2017)

Effects of regularization on model complexities of neural networks[2]
M. Sharma, A. Yadav, S. Soman, Jayadeva
(pre-print)

Projects

FitFast: Quickly fine-tune language models for your downstream NLP tasks
AUG 2018 - NOV 2018

Retrogram: Retrofitted (domain-adapted) word vectors with Word2Vec skip-gram model[3]
OCT 2018

Camera2Caption: A Real-time Image Caption Generator[4]
NOV 2016 - MAY 2017

[more]

Outreach & Miscellanea

Teach for India // Education Volunteer
JUL 2017 - SEP 2017, NEW DELHI

Designed and taught a Computer Literacy course to standard 8th and 9th students in Jahangirpuri area, North Delhi.