Jatin Chauhan

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Website link

Research Interests

Optimization; OOD Generalization; Deep Learning Theory.

Work Experience

June, 2021– Sep 2022 — **Google AI Research**.

June, 2020– August, 2020 — **Learngram AI**.

January, 2018– May, 2018 — **NewsInfo**.

Education

Sep, 2022– Present — **PhD in Computer Science**, *University of California, Los Angeles*.

July, 2017– June 2021 — **Bachelor Of Technology In Computer Science And Engineering**, *Indian Institute of Technology(IIT) Hyderabad*.

Publications

2022 — **Multi-Variate Time Series Forecasting on Variable Subsets**
KDD 2022
Jatin Chauhan, Aravindan Raghuveer, Rishi Saket, Jay Nandy and Balaraman Ravindran

2022 — **Domain-Agnostic Constrastive Representations for Learning from Label Proportions**
CIKM 2022
Jay Nandy, Rishi Saket, Prateek Jain, **Jatin Chauhan**, Balaraman Ravindran and Aravindan Raghuveer

2022 — **BERTops: Studying BERT Representations under a Topological Lens**
IJCNN 2022
Jatin Chauhan and Manohar Kaul

2021 — **A Probabilistic Framework for Knowledge Graph Data Augmentation**
NeurIPS 2021 DCAI Workshop
Jatin Chauhan, Priyanshu Gupta and Pasquale Minervini

2020 — **Learning Representations using Spectral-Biased Random Walks on Graphs**
IJCNN 2020
Charu Sharma, **Jatin Chauhan** and Manohar Kaul

2020 — **Few-Shot Learning on Graphs via Super-Classes based on Graph Spectral Measures**
ICLR 2020
Jatin Chauhan, Deepak Nathani and Manohar Kaul

2019 — **Learning Attention-based Embeddings for Relation Prediction in Knowledge Graphs**
ACL 2019
Deepak Nathani*, **Jatin Chauhan***, Charu Sharma* and Manohar Kaul
(* *equal contribution*)

Preprints and Other Works

2023 **Unsupervised Adaptation for Fairness under Covariate Shift**
Under Review

2023 **Learning under Label Proportions for Text Classification**
Under Review

2023 **GENZSL: Generalized Zero-Shot Learning for Long Documents**
Under Review

2023 **Non-Uniform Adversarial Perturbations for Discrete Tabular Datasets**
Under Review

2021 **Target Model Agnostic Adversarial Attacks with Query Budgets on Language Understanding Models**
Preprint
Jatin Chauhan, Karan Bhukar and Manohar Kaul

Achievements

2020 **Undergraduate Research Excellence Award**
2019 **Top 15 in PanIIT Hackathon: Artificial Intelligence for India**
2019 **Microsoft Research Travel Grant for ACL 2019 held in Florence, Italy**
2018 **Runner-Up: Tinkerer's Lab Competition on AI**

Teaching

At IITH **Introduction to Programming:**

Service

Reviewer: ICML 2023, ICLR 2023, LoG Conference, NeurIPS 2022, ICLR 2022 (Highlighted Reviewer), ICLR 2022-GTRL Workshop, NeurIPS 2021

External Reviewer: ICML 2021, AAAI 2021, ICLR 2021, NeurIPS 2020, EMNLP 2020, ACL 2020, NeurIPS 2019

Volunteering: IIT Hyderabad ACM Chapter, NSS IIT Hyderabad