Divyansh Pareek

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EDUCATION

UNIVERSITY OF WASHINGTON
Ph.D. in Computer Science and Engineering
Advisors: Prof. Simon S Du and Prof. Sewoong Oh

SEATTLE, USA
Sep 2023-Present
GPA: 3.94/4.0

CARNEGIE MELLON UNIVERSITY
M.S. in Machine Learning
Advisor: Prof. Andrej Risteski

PITTSBURGH, USA
Aug 2019 - Dec 2020
GPA: 4.15/4.0

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
B.Tech. in Computer Science and Engineering
Minor in Applied Statistics

MUMBAI, INDIA
July 2015 - May 2019
GPA: 9.53/10.0

EMPLOYMENT

CITADEL GQS
Quantitative Research Analyst in the GQS division
Managers: Dr. Nasko Atanasov and Dr. Yuanhao Zhai

CHICAGO, USA
March 2021 - June 2023

INTERNSHIPS

GOOGLE DEEPMIND
Student Researcher

BANGALORE, INDIA
Summer 2025

CITADEL GQS
Quantitative Research Intern

CHICAGO, USA
Summer 2020

GOOGLE BRAIN
Research Software Intern

TORONTO, CANADA
Summer 2018

INRIA
Research Intern

SOPHIA ANTIPOLIS, FRANCE
Summer 2017

PUBLICATIONS

UNDERSTANDING THE GAIN FROM DATA FILTERING IN MULTIMODAL CONTRASTIVE LEARNING
Divyansh Pareek, Sewoong Oh and Simon S Du
Advances in Neural Information Processing Systems, 2025

[Proceedings Link]
NeurIPS 2025

UNDERSTANDING THE GAINS FROM REPEATED SELF-DISTILLATION
Divyansh Pareek, Simon S Du and Sewoong Oh
Advances in Neural Information Processing Systems, 2024
Data-Centric Machine Learning Research (DMLR) workshop at ICML, 2024

[Proceedings Link]
NeurIPS 2024

THE EFFECTS OF INVERTIBILITY ON THE REPRESENTATIONAL COMPLEXITY OF ENCODERS IN VAES
Divyansh Pareek and Andrej Risteski
International Conference on Learning Representations, 2022

[Arxiv Link]
ICLR 2022

STRONG COLLAPSE FOR PERSISTENCE
Jean-Daniel Boissonnat, Siddharth Pritam and Divyansh Pareek
European Symposium on Algorithms, 2018

[Arxiv Link]
ESA 2018

ACHIEVEMENTS

• All India Rank 5 in JEE Main out of 1.3M candidates and All India Rank 18 in JEE Advanced out of 150K candidates
• Charpak Research Intern Scholarship by the French Embassy in India
• Institute Academic Prize by IIT Bombay; and the KVPY and NTSE fellowships by the Govt. of India

ENGAGEMENT

• Served as a reviewer for ICLR 2025, ICML 2025 and NeurIPS 2025
• Presented a poster at the IFML Symposium on Modern Paradigms in Generalization at Simons Institute, UC Berkeley
• Participated in the IFML Workshop on Generative AI at UT Austin