

Divyansh Pareek

dpareek@cs.washington.edu | pareek21.github.io | +1 646-270-4215

EDUCATION

UNIVERSITY OF WASHINGTON

Ph.D. in Computer Science and Engineering
Advisors: Prof. Simon Du and Prof. Sewoong Oh

SEATTLE, USA

Sep 2023-Present

GPA: 4.0/4.0

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 Statistics

MUMBAI, INDIA

July 2015 - May 2019

GPA: 9.53/10.0

EMPLOYMENT

CITADEL

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

CHICAGO, USA

March 2021 - June 2023

INTERNSHIPS

CITADEL

Quantitative Research Intern in the GQS division
Manager: Dr. Yuanhao Zhai

CHICAGO, USA

Summer 2020

GOOGLE

Research Software Intern in the Brain team
Advisors: Dr. William Chan and Dr. Geoffrey Hinton

TORONTO, CANADA

Summer 2018

INRIA

Research Intern in the Datashape team
Advisor: Dr. Jean-Daniel Boissonnat

SOPHIA ANTIPOLIS, FRANCE

Summer 2017

PUBLICATIONS

UNDERSTANDING THE GAINS FROM REPEATED SELF-DISTILLATION

Divyansh Pareek, Simon S Du and Sewoong Oh
Advances in Neural Information Processing Systems (NeurIPS), 2024

[\[Paper Link\]](#)

THE EFFECTS OF INVERTIBILITY ON THE REPRESENTATIONAL COMPLEXITY OF ENCODERS IN VAES

Divyansh Pareek and Andrej Risteski
International Conference on Learning Representations (ICLR), 2022

[\[Paper Link\]](#)

STRONG COLLAPSE FOR PERSISTENCE

Jean-Daniel Boissonnat, Siddharth Pritam and Divyansh Pareek
European Symposium on Algorithms (ESA), 2018

[\[Paper Link\]](#)

PROPERTY INFERENCE IN RELU NETS USING LINEAR INTERPOLANTS

Divyansh Pareek, Saket Dingliwal and Jatin Arora
International Workshop on Verification of Neural Networks (VNN), 2020

[\[Paper Link\]](#)

ACHIEVEMENTS

- All India Rank 5 in JEE Main 2015 out of 1.3M candidates
- All India Rank 18 in JEE Advanced 2015 out of 150K candidates
- Awarded the Institute Academic Prize in 2016 by IIT Bombay
- Awarded the Charpak Research Intern Scholarship in 2017 by India's French Embassy

SERVICE

- Reviewer for ICLR 2025
- Teaching Assistant for Introduction to Machine Learning (CS 419, IITB) and Calculus (MA 105, IITB)