

# Saiteja Utpala

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🌐 SaitejaUtpala

## EDUCATION

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**IIT Kanpur, UP, India**

2018 - 2020

*Masters in Computer Science and Engineering*

Academic Excellence Award

**SV Univeristy, Tirupathi, India**

2013 - 2017

*Bachelors in Mechanical Engineering*

First Class with Distinction

## WORK EXPERIENCE

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**Wadhvani AI, Delhi, India**

Apr 2023 - Now

*Associate ML scientist*

**Geomstats, Open Source, US**

Dec 2021- Dec 2022

*Maintainer and Lead Engineer*

**UCSB, California, US**

Dec 2021- Jun 2022

*Staff Research Associate*

**Mastercard, Pune, India**

Aug 2020 - Dec 2021

*Software Development Engineer*

## PUBLICATIONS

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### Preprints

1. **Language Agnostic Code Embeddings.**

Topics: Code LLMs; Retrieval; Zero Shot Alignment

Saiteja Utpala, Alex Gu, Pin Yu Chen. *Under Review ACL ARR.*

### Accepted

3. **Locally Differentially Private Document Generation Using Zero Shot Prompting.**

Saiteja Utpala, Sara Hooker, Pin Yu Chen. *Accepted at EMNLP (Findings), 2023.*

Topics: LLMs; De-anonymization Attacks; Private Documents.

2. **Shrinkage Estimation of Higher Order Bochner Integrals.**

Topics: Learning Theory; Concentration Inequalities; Functional Analysis.

Saiteja Utpala and Bharat K. Sriperumbudur. *Accepted at Bernoulli, 2023.*

1. **Differentially Private Fréchet Mean on the Manifold of SPD Matrices.**

Topics: Differential Privacy, Geometric Machine Learning.

Saiteja Utpala, Praneeth Vepakomma, Nina Miolane. *Accepted at TMLR, 2023.*

## SOFTWARE

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1. **Geomstats: Computations and statistics on manifolds with geometric structures.**

*Maintainer, Jan 2022 - Dec 2022.* Contributions Overview

Stats as of October 2023: ★ 1003, 📄 222.

2. **Rieoptax: Riemannian Optimization in JAX.**

*Creator, Oct 2022 - Mar 2023.* Contributions Overview

Stats as of October 2023: ★ 36, 📄 3.

## SELECTED AWARDS AND HONORS

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- Won 2nd place at ICLR 2021 Computational Geometry & Topology Challenge . *2021*
- Achieved 10/10 in Machine Learning and Statistics Courses at IIT Kanpur *2020*
- Received the Academic Excellence Award for exceptional performance in 2018-19 academic session at IIT Kanpur *2019*
- Secured All India Rank 308 in GATE computer science among 107,893 candidates *2018*