ANISH LAKKAPRAGADA

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EDUCATION

Yale University   New Haven, CT
B.S. in Mathematics & B.S. in Computer Science   *GPA: 3.97/4.00*
- Courses: Real Analysis, Theoretical Stats, Honors Linear Algebra, Intro to Systems
- Activities: TA (Probability Theory), Yale Birding, South Asian Society, Poker Club

PUBLICATIONS

1. **Anish Lakkapragada.** Exponential Family Discriminant Analysis: Generalizing LDA-Style Generative Classification to Non-Gaussian Models. *Preprint*, 2025.

2. **Anish Lakkapragada**, A Khanna, E Raff, N Inkawhich. Comprehensive OOD Detection Improvements. *CVPR VAND Workshop 2024.*

3. **Anish Lakkapragada.** A Novel Explanation Against Linear Neural Networks. *NeurIPS NIML Workshop 2023.*

4. **Anish Lakkapragada**, E Sleiman, S Surabhi, D P Wall. Mitigating Negative Transfer in Multi-Task Learning with Exponential Moving Average Loss Weighting Strategies (student abstract). *AAAI Student Abstract & Poster Program 2023.*

5. **Anish Lakkapragada**, A Kline, O C Mutlu, ..., P Washington, D P Wall. The classification of abnormal hand movement to aid in autism detection: Machine learning study. *JMIR Biomedical Engineering 2022.*

PROJECTS

SeaLion: Machine Learning Library written from scratch
300+ stars, 15,000 views, and 2K downloads on GitHub.   Nov 2020 - Apr 2021

GenAlt: Accessibility Browser Extension for the visually impaired (3.2K users)
Featured in U.S. Interagency Accessibility Forum (IAAF) 2023.   Dec 2021 - Mar 2024

Lynbrook High School Job Shadow Platform (Lead Dev)
Used by 500+ students annually. Saves school admin 100 hours/yr.   Jun 2023 - Apr 2024

INTERNSHIPS

Ciroos | ML Engineer   Jun 2025 - present
- Ciroos is an early-stage startup ($21M seed) developing an AI-driven SRE assistant
- Developed MCP server to perform root-cause analysis on any AWS issue

alphaXiv | Software Engineer   Jun 2024 - Nov 2024
- Ideated & made Chrome Extension (10,000+ users) to increase user retention
- Cut backend latency by 50%; tracked user growth across 30M+ rows SQL table

U.S. Air Force Research Lab x Booz Allen | Researcher   Jun 2023 - Oct 2023
- Youngest-ever intern, position historically held by undergrad & grad students
- Improved accuracy in out-of-distribution (OOD) detection and published work

Stanford University, Wall Lab | Researcher   Jun 2021 - Jan 2023
- Devised novel machine learning techniques for early detection of autism (paper)
- Improved the the performance of multi-task learning models (paper)

HONORS

Discover Citadel, Invitee (3% acceptance rate)   Apr 2025
6.3M+ views & 30,000+ downloads of my bird photographs   May 2022 – present
Youngest-ever speaker, DataBricks Data + AI Summit 2022   Jun 2022
$2500 scholarship, National Merit Scholarship Corporation (NMSC)   Mar 2024

SKILLS

Languages & Frameworks: Python, C/C++, TypeScript, PyTorch/TensorFlow, Next.js
Backend: Kubernetes, Docker, AWS, MongoDB, (Postgre)SQL, FastAPI, Linux Services.