

# ANISH LAKKAPRAGADA

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|--------------|--|---------------------------------|
| EDUCATION    | <b>Yale University</b><br><i>B.S. in Mathematics &amp; B.S. in Computer Science</i><br>• Courses: Grad Probability, Abstract Algebra, Analysis I, Learning Theory, Systems<br>• Activities: TA (Probability Theory), Yale Birding, South Asian Society, Poker Club   | New Haven, CT<br>GPA: 3.97/4.00 |
| PUBLICATIONS | <ol style="list-style-type: none"><li><b>Anish Lakkapragada.</b> Exponential Family Discriminant Analysis: Generalizing LDA-Style Generative Classification to Non-Gaussian Models. <i>Preprint</i>, 2025.</li><li><b>Anish Lakkapragada, A Khanna, E Raff, N Inkawich.</b> Comprehensive OOD Detection Improvements. <i>CVPR VAND Workshop 2024</i>.</li><li><b>Anish Lakkapragada.</b> A Novel Explanation Against Linear Neural Networks. <i>NeurIPS NIML Workshop 2023</i>.</li><li><b>Anish Lakkapragada, E Sleiman, S Surabhi, D P Wall.</b> Mitigating Negative Transfer in Multi-Task Learning with Exponential Moving Average Loss Weighting Strategies (student abstract). <i>AAAI Student Abstract &amp; Poster Program 2023</i>.</li><li><b>Anish Lakkapragada, A Kline, O C Mutlu, ..., P Washington, D P Wall.</b> The classification of abnormal hand movement to aid in autism detection: Machine learning study. <i>JMIR Biomedical Engineering 2022</i>.</li></ol> |                                 |
| PROJECTS     | <b>SeaLion: Machine Learning Library written from scratch</b><br>300+ stars, 15,000 views, and 2K downloads on GitHub.<br>Nov 2020 - Apr 2021  |                                 |
|              | <b>GenAlt: Accessibility Browser Extension for the visually impaired (3.2K users)</b><br>Featured in U.S. Interagency Accessibility Forum (IAAF) 2023.<br>Dec 2021 - Mar 2024  |                                 |
|              | <b>Lynbrook High School Job Shadow Platform (Lead Dev)</b><br>Used by 500+ students annually. Saves school admin 100 hours/yr.<br>Jun 2023 - Apr 2024  |                                 |
| INTERNSHIPS  | <b>Ciroos   ML Engineer</b><br>• <b>Ciroos</b> is an early-stage startup (\$21M seed) developing an AI-driven SRE assistant<br>• Developed MCP server to perform root-cause analysis on any AWS service<br>Jun 2025 - Aug 2025   |                                 |
|              | <b>alphaXiv   Software Engineer</b><br>• Ideated & made <u>Chrome Extension</u> (20,000+ users) to increase user retention<br>• Cut backend latency by 50%; tracked user growth across 30M+ rows SQL table<br>Jun 2024 - Nov 2024  |                                 |
|              | <b>U.S. Air Force Research Lab x Booz Allen   Researcher</b><br>• Youngest-ever intern, position historically held by undergrad & grad students<br>• Improved accuracy in out-of-distribution (OOD) detection and <u>published work</u><br>Jun 2023 - Oct 2023   |                                 |
|              | <b>Stanford University, Wall Lab   Researcher</b><br>• Devised novel machine learning techniques for early detection of autism ( <u>paper</u> )<br>• Improved the the performance of multi-task learning models ( <u>paper</u> )<br>Jun 2021 - Jan 2023  |                                 |
| HONORS       | <b>Discover Citadel, Invitee (3% acceptance rate)</b><br>Apr 2025  |                                 |
|              | <b>6.3M+ views &amp; 30,000+ downloads</b> of my <u>bird photographs</u><br>May 2022 – present   |                                 |
|              | <b>Youngest-ever speaker</b> , DataBricks Data + AI Summit 2022<br>Jun 2022  |                                 |
|              | <b>\$2500 scholarship</b> , National Merit Scholarship Corporation (NMSC)<br>Mar 2024  |                                 |
| SKILLS       | <b>Languages &amp; Frameworks:</b> Python, C/C++, TypeScript, PyTorch/TensorFlow, Next.js<br><b>Backend:</b> Kubernetes, Docker, AWS, MongoDB, (Postgre)SQL, FastAPI, Linux Services.  |                                 |