

# Anish Lakkapragada

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## EDUCATION

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### Yale University

New Haven, CT

*B.S. in Computer Science & B.S. in Mathematics*

*GPA: 4.00*

- Coursework: Systems Prog., Data Structures, Real Analysis, Stats Theory, Prob Theory, Discrete, Linear Algebra
- Clubs: Yale Student Birding Association (Board), Yale South Asian Society (Board), Yale Poker Club

## WORK EXPERIENCE

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### alphaXiv, startup w/ 12K+ users backed by fmr Google CEO Eric Schmidt

Jun 2024 – Present

*Software Engineer*

*San Francisco, CA*

- Led migration of API to a containerized AWS Lambda function to reduce latency by 50%
- Ideated and developed [Chrome Extension](#) with 7000+ users to increase user retention
- Expanded frontend/backend with React.js, MongoDB Atlas, and Express across multiple 1000+ LOC files
- Used AWS CloudWatch, AWS SQS, and SQL to track user growth across table with 30M+ rows

### Booz Allen Hamilton, U.S. Air Force Research Lab Team

Jun 2023 – Oct 2023

*Machine Learning Researcher*

*Annapolis Junction, MD*

- Youngest-ever high-school research intern, position historically held by undergraduate & graduate students
- Improved accuracy in the detecting out-of-distribution data; Ran 100+ experiments for testing different methods
- Presented findings weekly to the client (AFRL) and published findings in workshop at CVPR 2024

### Stanford University, Wall Lab

Jun 2021 – Jan 2023

*Research Intern*

*Palo Alto, CA*

- Developed novel machine learning techniques to support early detection of autism
- Improved the the performance of multi-task learning models, which are common on mobile devices
- Published papers at JMIR and AAAI 2023

## SELECTED PROJECTS

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### Hospitality “Wrapped”: Project for Yale & University of Southern California

Jan 2024 – Present

- Coded software ([Yale](#), [USC](#)) on top of TransactCampus platform to visually display a student’s dining history
- Software reached 10% of Yale student body & 800+ total students (features: [Yale](#), [USC](#), [CampusIDNews](#))

### GenAlt: Chrome Extension for improving web accessibility for visually impaired

Dec 2021 – Present

- Developed [browser extension](#) to generate image descriptions with AI for visually impaired users
- Currently used by 3200+ Blind & Visually Impaired users in 100+ countries
- Recognition: U of Delaware’s Diamond Challenge (\$1750), Arkansas School for the Blind, U.S. IAAF ’23 conf.

### Lynbrook Job Shadow Tech Team, Lead Developer

Jun 2023 – Apr 2024

- Led team of 10+ to develop full-stack platform for my school to administer school’s Job Shadow program
- Platform successfully matched 300+ students to job shadow opportunities provided by 80+ companies

### SeaLion: Machine Learning Library implemented from scratch, Developer

Nov 2020 – Apr 2021

- Learned mathematical theory of 20+ ML algorithms and implemented them from scratch in [Python framework](#)
- Used Cython to accelerate algorithm runtimes, regardless of user’s operating system
- 2,000+ unique downloads, 15,000+ views on GitHub, 300+ stars on GitHub

## AWARDS & RECOGNITION

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- Youngest-ever speaker at Databricks Data + AI Summit 2022 in conference’s 9-year history
- 45+ citations across 4 first-author published workshop papers (at [CVPR ’24](#), [NeurIPS ’23](#), [AAAI ’23](#), [JMIR](#))
- National Merit Finalist \$2500 Scholarship and Lynbrook High School W & Y Foundation \$4000 Scholarship
- 5.2M+ views and 22K+ downloads on [Unsplash](#) for my bird photographs

## TECHNICAL SKILLS

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**Languages and Frameworks:** Python, TypeScript, HTML/CSS, C++, Java, Cython, PyTorch, TensorFlow, Next.js

**Backend:** AWS, Docker, MongoDB, PostgreSQL, SQL, FastAPI, Express, Linux Services