

Anish Lakkapragada

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EDUCATION

Yale University

New Haven, CT

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

GPA: 3.97

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

WORK EXPERIENCE

Discover Citadel

Apr 2025

Invitee

Manhattan, New York

- Selected as 1 of 150 freshman & sophomores out of 4200 applicants for a 3-day fully-funded quant program

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

Jun 2024 – Nov 2025

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 10,000+ 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

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.

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

- Youngest-ever speaker at Databricks Data + AI Summit 2022 in conference’s 9-year history
- 55+ 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
- 6.3M+ views and 27K+ downloads on Unsplash for my bird photographs

TECHNICAL SKILLS

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

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