

Aniruthan Rajendran

+1 (929) 754-8993 | aniruth.255@gmail.com | github.com/aneeee004 | linkedin.com/in/aniruthan-r-091361179

Profile

Master's student in CS at NYU with 4 years of experience at Apple, seeking a Summer 2026 Internship to build scalable systems and tools.

Education

New York University, Tandon School of Engineering

Brooklyn, NY

Master of Science in Computer Science

September 2025 - May 2027 (Expected)

- Relevant Courses:** Design and Analysis of Algorithms II, Big Data, Foundations of Data Science.

Indian Institute of Technology, Hyderabad (CGPA: 9.08/10)

Hyderabad, India

Bachelor of Technology in Mechanical Engineering (Hons.), with a Minor in Economics

August 2017 - April 2021

- Relevant Courses:** Operating Systems, Introduction to DBMS, Algorithms, Calculus, Vector Algebra, Linear Algebra, Probability, Statistics.
- Teaching Assistant:** Served as a teaching assistant for the courses *Digital Fabrication* and *Calculus 3*.

Work Experience

Apple Inc.

Hyderabad, India

ICT3 - (Senior Software Engineer)

October 2023 - May 2025

- Designed and implemented a scalable **localization architecture** supporting multilingual UI (Mandarin, Japanese, Portuguese, etc.).
- Developed a **picture-in-picture feature** which expands the scope of the application from voice advisors to chat, increasing CSAT by **3%**.
- Owned regression testing workflows, developing and integrating automated test suites which saves **24 hours** of manual effort per week.

Apple Inc.

Hyderabad, India

ICT2 - (Software Engineer)

July 2021 - September 2023

- Developed and maintained an automation suite in Swift and XCTest for over **300 cases** with CI triggers and automated Slack notifications.
- Developed and maintained an automation suite in Python for over **100 cases** using Behavior Driven Development Testing.

Hokkaido University

Hokkaido, Japan

STSI Research Intern

June 2021 - July 2021

- Developed, trained, and tuned an **Instance Segmentation ML Model** that segments object instances from input images.
- Created a custom-labeled data set with images of the characters *The Simpsons*, where the model performed with **87% accuracy**.

UST Global

Trivandrum, India

Software Intern

April 2020 - June 2020

- Developed a scaleable fault-tolerant real-time **RTSP** video stream processing engine using **Apache Kafka** and **Apache Spark**.
- Integrated **Instance Segmentation** and **Face Detection** ML Models, to detect and enforce social distancing and face-mask violations.

Projects

Machine Learning in Automated Testing

Apple Inc. Hyderabad

Working Conference on Software Testing, Verification, and Validation

December 2024

- Developed and **presented** a **CoreML** Object Detection Models to validate certain UI Elements: such as Arrows, Images, Colors, etc.

Multi-Device UI Automation

Apple Inc. Hyderabad

Working Conference on Software Testing, Verification, and Validation

December 2023

- Developed and **presented** an **XCTest** wrapper to facilitate Multi-Device UI Testing using a custom synchronization with **semaphores**.

Heavy-Light Decomposition

Chennai, India

Open Source Contribution

August 2020

- Implemented the Heavy-Light Decomposition technique for trees, using **Segment Trees** and **Binary Lifting**.
- The data structure processes **path queries** and **point updates** efficiently on a tree in $\mathcal{O}(\ln(n))$.
- Worked with the moderators to improve code quality and to add unit tests. Contribution accepted into [TheAlgorithms/C-Plus-Plus](#).

Positions of Responsibility

Infero, Algorithms and Logical Thinking Club

IIT, Hyderabad

Core Member

August 2020 - April 2021

- Hosted algorithmic sessions on **Recursion**, **Dynamic Programming**, etc. and integrated a **Discord Bot** to compete in CP.
- Competitive Programmer on [Codeforces](#) (peaked at **Candidate Master**) and [LeetCode](#) (top **2.38%**).
- ACM-ICPC Amritapuri Prelims 2020 **Rank 27**; Google Kickstart 2020 Round G **Rank 150**.

Skills

Python · Java · C · C++ · Kafka · Spark · CoreML · Git · MongoDB · OpenCV · Bash · Swift · XCTest · Jenkins