

# Anish Pahilajani

Phone: (669)-233-6524 | Email: apahilaj@ucsc.edu | LinkedIn: [bit.ly/aplink13](https://www.linkedin.com/in/apahilaj13)

## WORK EXPERIENCE

### Amazon (Amazon Web Services)

Jun 2022 – Sept 2022

Software Development Engineer Intern/AWS Global Accelerator team

Seattle, WA

- Developed SIM Sleuth tool that was triggered when a sev 2 ticket was fired and automatically updated the ticket with graphs, and text data which helps operators mitigate the issue. Used Scrum And Agile methodologies
- Created a **Lambda function** using **Python** that is invoked when a sev 2 ticket is fired. This lambda function collects steps to mitigate the alarm from Amazon code base
  - Graphs were stored in Cloudwatch, and the graph's metadata were stored in Amazon code base. The lambda function parsed the JSON files to retrieve the image of graph from Cloudwatch
  - Text data was stored in markdown files, the lambda function read these files and updated the ticket with the required data
- I used python unittest.mock library in python to mock authentication and API that posts data to ticket

### Amazon (Amazon Web Services)

Jun 2021 – Sept 2021

Software Development Engineer Intern/AWS Global Accelerator team

Seattle, WA

- Developed Intuitive packet capture (ipcap) tool using GoLang to automatically perform packet capture on multiple hosts concurrently, to find any issues (Ex: packet loss) in the network
- ipcap accepts the start time, stop time, and any networking flags as input parameters. The ipcap will concurrently start packet capture on 7 different hosts (**Linux Operating Systems**)
- ipcap will automatically stop packet capture after the specified time, it will merge all pcap files from all 7 hosts using Wireshark command and upload the file to a predefined **S3 bucket** using **AWS S3 API**
- The developers can then download and analyze the packet capture file

### LeNgineer

Sept 2020 – Feb 2021

R&D Software Engineer Intern

Titusville, FL

- Worked on Computer Vision using OpenCV and pre-trained object detection libraries.
- Managed the image data that is used for object detection.

### UC Santa Cruz

Mar 2020 – June 2021

Python Tutor & Reader

- Python tutor for an undergraduate computer science course under professor Delbert Bailey
- Tutored 4 to 6 hours a week along with being a full-time student
- Reviewed and graded 100 python assignments

## TECHNICAL PROJECTS

### Software Engineering capstone project: Retyrn company

Jan 2023 - June 2023 Palo Alto, CA

- This group project is where we developed a web app to file insurance claims and store insurance company data, so people can quickly file for insurance. I worked as a backend developer.
- Developed using Python, PyTorch, FastAPI, Alembic, SQLAlchemy, PostgreSQL

## TECHNICAL SKILLS & FRAMEWORKS

**Technical Skills:** Python, C, C++, GO Lang, Linux OS, Scrum & Agile, Amazon Web Services, PostgreSQL

**Frameworks:** NumPy, Pandas, Scikit-learn, **Tensorflow/Keras, PyTorch, Fast API**, Git, Alembic, SQLAlchemy

## EDUCATION

### UNIVERSITY OF CALIFORNIA SANTA CRUZ (GPA: 3.75)

June 2023

Bachelors of Science (B.S) in Computer Engineering, minor in Computer Science

Santa Cruz, CA

- Relevant coursework: **Applied Machine Learning, Parallel Programming, Algorithm, Data structures**
- Certification: Deep Learning Specialization (Coursera)
- Awards: Dean's Honors: Winter 2022, Fall 2021, Spring 2021, Winter 2021, & Fall 2020
- Clubs: Santa Cruz AI, Tau Beta Pi (Engineering Honor Society), START (Student research)