NISHANT BALAJI

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EDUCATION

University of California San Diego *3.90 GPA*
B.S. Computer Engineering *Oct 2020 - Jun 2024*

WORK EXPERIENCE

NVIDIA *June 2022 - Present*
Software Engineering Intern *Remote*
- Working on the **Hardware Infrastructure Group** in the **Test Automation Team** as a Software Engineering Intern.
- Using **React Fast API** and **Redis** to develop a web interface for hardware architects to view tests running on the layers of their hardware.

NASA Goddard Space Flight Center *August 2021 - December 2021*
Software Engineering / Machine Learning Intern *Remote*
- Worked on the **Earth Observation System Data and Information System (EOSDIS)** team to work on **usage-based data discovery.**
- Developed automated using **Natural Language Processing** to identify, document, and classify the use of Earth Observation data in research articles and applications.
- Created pipelines to streamline article data and classify them by topic.

Triton Software Engineering *November 2021 - Present*
Full Stack Developer *La Jolla, CA*
- Working with **Next.js**, and **PostgreSQL** to create a website for the non-profit organization **League of Amazing Programmers (LAP)**
- Coordinated with designers to efficiently complete tickets in **weekly sprints** and create multiple iterations of the product

Engineers for Exploration: Acoustic Species Identification Project *Feb 2021 - Present*
Software Engineer *Remote*
- Collaborating with conservation researchers at the **San Diego Zoo** to develop **autonomous pipelines** to identify species vocalizations from over **1500 hours of audio data** collected from the **Peruvian Amazon Rainforest** in 2019.
- Used **React, Flask** and **Docker** to assist in development of the Audio Labeling System.
- Improved upon existing features of the labeling system, including the audio labeling page and the user experience to make it more accessible for volunteer users.
- Built functions to help better understand and clarify autonomously labeled outputs, including combining annotations and getting a graph of the general annotation length trends for a particular clip.
- **Summer 2021**: Awarded a **$5000 scholarship** to continue doing research with the group over the summer.

NOMAD *Sep 2020 - Present*
Software Engineer *Remote*
- Socially responsible startup serving to provide affordable real estate rentals to the general public.
- Earned **$50k+** in non-diluted funding, acquired **15+ listings** in **2 countries**, and completed **UCLA Anderson Venture Accelerator.**
- Used **Stripe** to create a payment workflow for renters and a payout workflow for hosts with **Node.js**, and **React** to .
- Developed **continuous integration pipelines** for deployment on **Firebase** and **AWS Elastic Beanstalk.**

LEADERSHIP EXPERIENCE

Association for Computing Machinery (ACM) *May 2021 - Present*
VP Events *La Jolla, CA*
- Coordinated event logistics for **230+ yearly workshops and social events** held within ACM communities, reaching **1200+ students**.
- Managed a team of **10+ others** and assisted in planning and creating technical workshops for ACM members.

PROJECTS

Taskathon Go!: Activities on the go
https://taskathon.netlify.app/
- Created a social app that allows users to select tasks and things to do in their communities.
- Led **weekly stand ups** and **code reviews** in order to make sure product development was on schedule.
- Deployed application on **Netlify** and assisted developers in fixing bugs and code reviews.

SKILLS

Languages   Java, Python, JavaScript, Typescript, C, C++, Go, Bash, ARM Assembly, HTML, CSS, MATLAB

Technologies React, REST APIs, Node.js, Flask, Figma, MongoDB, Express, Git, JUnit, Make, Android, Robolectric, Espresso
Software Amazon Web Services, Google Cloud Platform, Github Actions, Docker, Heroku, Netlify, Valgrind, Postman