NISHANT BALAJI

(916)-220-8794 | ✉ nishantb1130@gmail.com | ⌂ nishantbalaji | in nishantbalaji | ⌂nishantbalaji.com

EDUCATION

University of California San Diego   *3.74 GPA*
B.S. Computer Engineering   *Oct 2020 - Jun 2024*

WORK EXPERIENCE

Roblox   *June 2022 - Present*
Software Engineering Intern   *San Mateo, CA*
- Creating OpenCloud APIs for access to Roblox's Memorystores API outside the Roblox Studio platform, using C# and Lua.

NVIDIA   *Mar 2023 - June 2023*
Software Engineering Intern   *Santa Clara, CA*
- Worked on the **Hardware Infrastructure Group** in the **Security Team** as a Software Engineering Intern.
- Implemented **OpenTelemetry** Instrumentation into NVIDIA's Security Auditing Platform
- Used **Django**, **Grafana**, and **Open Telemetry** to improve to provide crucial insights to the platform's status.
- Created dashboard that collected valuable **metrics** and other information to streamline and improve development experience.

UCSD CSE Department   *Jan 2023 - March 2023*
Tutor   *La Jolla, CA*
- Taught Programming Tools & Techniques to **650+ students**
- Led weekly lab sections of **100+ students** in learning and assisting with questions.

NVIDIA   *Jun 2022 - Sep 2022*
Software Engineering Intern   *Santa Clara, CA*
- 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 hardware.
- Implemented **websockets** to live update data throughout the platform, providing users a real-time view of their running test batches.
- Creating **continuous integration pipelines** to effectively test and deploy code using **Docker** and **Kubernetes**.

NASA Goddard Space Flight Center   *Aug 2021 - Dec 2021*
Software Engineering / Machine Learning Intern   *Greenbelt, MD*
- Worked with the **Earth Observation System Data and Information System** team on **usage-based data discovery.**
- Developed automated **Natural Language Processing** tools to identify and classify external usage of Earth Observation data.
- Created pipelines to streamline classification of **6000+ articles** by topic.

LEADERSHIP EXPERIENCE

Association for Computing Machinery (ACM) at UCSD   *May 2021 - Present*
President   *La Jolla, CA*
- Coordinated event logistics for **230+ yearly workshops and social events** held within ACM communities, reaching **2000+ students**.
- Managed a team of **95+** and collaborated in planning and creating technical workshops, projects, and social events for ACM members.
- Fostered the development of **ACM's outreach program** that exposed computer science to hundreds of underrepresented students.

PROJECTS

Triton Software Engineering at UCSD   *Nov 2021 - Present*
Full Stack Developer   *La Jolla, CA*
- Worked with **Next.js** and **PostgreSQL** to create a website for the non-profit organization **League of Amazing Programmers**

Engineers for Exploration: Acoustic Species Identification Project   *Feb 2021 - Aug 2021*
Software Engineer   *La Jolla, CA*
- Collaborated with conservation researchers at the **San Diego Zoo** to develop **automated pipelines** to identify species vocalizations.
- Used **React**, **Flask** and **Docker** in developing the Audio Labeling System to process and visualize over **1500 hours of audio data.**

SKILLS

Languages	Java, Python, JavaScript, Typescript, C, C++, C#, Go, Bash, ARM Assembly, HTML, CSS, MATLAB
Technologies	React, REST APIs, Node.js, Flask, FastAPI, Redis, PostgreSQL, Next.js, Figma, MongoDB, Express, Git, JUnit, .NET, Make, Android, Robolectric, Espresso
Software	AWS, Google Cloud Platform, Github Actions, Docker, Heroku, Netlify, Valgrind, Postman, PSpice, LTSpice