NISHANT BALAJI

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

EDUCATION

University of California, San Diego *La Jolla, CA*
B.S. Computer Engineering, GPA: 3.966 *Oct 2020 - Jun 2024*

EXPERIENCE

Engineers for Exploration: Acoustic Species Identification *Feb 2021 - May 2021*
Software Engineer *Remote*
- Used Docker and other front-end technologies to assist in development of the Audio Labeling System.
- Improved upon many of the existing features of the labeling system, helping make it more accessible for volunteer users.

ACM Dimensions Conference *Sep 2020 - October 2021*
Developer, Logistics Lead *Folsom, CA*
- Used Typescript to development both the static site for before the event and the live site during the event.
- Planned the schedule for the conference, while also managing reservations and collaborating with other teams to organize events.

NOMAD *Sep 2020 - May 2021*
Software Engineer *Remote*
- Socially responsible startup serving to provide affordable real estate rentals to the general public.
- Utilized Stripe to create a payment workflow for renters and a payout workflow for hosts.

PowerSchool *Jun 2019 - Jun 2019*
Student Intern *Folsom, CA*
- Assisted in organizing and running the Hour of Code community event for over 50 children of employees.
- Shadowed with various departments of the company to learn more about their work.
- Worked with and learned about AGILE/Jira methodologies

PROJECTS

Community
github.com/nishantbalaji/Community
- Created a social app that allows users to report issues or solutions in their communities.
- Used Mapbox and D3 to store and display the locations of local issues, as well as track the user's location and show them relevant issues.

ABCD - A Breast Cancer Detector
abcdetector.herokuapp.com/
- Created a working web app that determines if a patient has Breast Cancer
- Used Flask to create a web-app that allows doctors to input a set amount of characteristics of a tumor.
- Utilized UC Irvine machine learning data to calculate if these characteristics were of a malignant or benign tumor.

Hap.py
hap-py.herokuapp.com
- Created a web-app that evaluates a user's emotional state and sends them a certain number of jokes to their phone based on their emotional state.
- Used the Microsoft Face API to evaluate a user's emotions and quantify it in a number depending on how happy they are.
- Integrated the Jokes API and the Twilio API to send a differing number of jokes to a user's cellphone depending on their happiness.

LEADERSHIP & ACTIVITIES

Solar Boat *Aug 2019 - May 2020*
Team Leader *Folsom, CA*
- Led a team of 10 students in designing and building a solar powered boat for the SMUD Solar Boat Regatta.
- Assisted in designing the model for the boat, and worked to test and design the electrical components of the boat.
- Worked to shape the mold and craft the boat using carbon fiber.

CyberPatriot *Aug 2016 - May 2020*
President (2019-2020) and Former Treasurer (2018-2019) *Folsom, CA*
- Helped train the club of 30 members to most successful season in this defensive cybersecurity competition: 4 platinum and 1 gold division team.
- Worked the Cisco Packet Tracer image in this defensive cybersecurity competition, and assisted teammates with Windows and Linux images.

SKILLS

Programming   Java, C, C++, Python, HTML, CSS, JavaScript, Typescript
Technologies   REST APIs, Flask, Node.JS, React, MongoDB, Express, Docker, Amazon Web Services, Google Cloud Platform, Heroku