NISHANT BALAJI

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EDUCATION

University of California, San Diego — *La Jolla, CA*
B.S. Computer Engineering — *Sep 2020 - Jun 2024*

Folsom High School — *Folsom, CA*
High School Diploma - GPA: 4.35 — *Aug 2016 - May 2020*
- Relevant Coursework: AP Computer Science A, AP Calculus AB, AP Physics 1, Honors Civil Engineering and Architecture

EXPERIENCE

VHomes — *Sep. 2020 - May 2021*
Software Engineer — *Remote*
- Socially responsible startup serving to provide affordable real estate rentals to the general public.
- Developing a web-scaper to collect available housing data off of rental websites such as Airbnb to match up clients with rental locations.

PowerSchool — *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.

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.

UNICEF Club — *Aug 2017 - Jun 2020*
President and Founder — *Folsom, CA*
- Founder and president of chapter of international community service club; local chapter has over 50 active members.
- Collaborated with external event organizers to set up volunteering opportunities for club members.
- Raised over $2000 to donate to the UNICEF International organization.

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 teams and 1 gold division team.
- Worked the Cisco Packet Tracer image in this defensive cybersecurity competition, and assisted teammates with Windows and Linux images.

PROJECTS

Wake Up!
github.com/wake-up-hacks
- Created a web-app that would store and display articles relevant to social issues along with community service events to help solve these issues.
- Used React to create the front-end of a web-app that would help increase awareness for many problems in the world.
- Used a MongoDB, Express, and Node.JS back-end to create, store and retrieve articles for users to create and view.

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.

SKILLS

Programming	Java, C, C++, Python, HTML, CSS, JavaScript
Technologies	REST APIs, Flask, Node.JS, React, MongoDB, Express, Arduino, Adobe Photoshop, Autodesk Revit, Cisco Packet Tracer
Languages	English, French, Tamil