**Vir Bedi**

Website: [virbedi.github.io](https://virbedi.github.io/) | Email: [virmbedi@gmail.com](mailto:virmbedi@gmail.comu) | Millbrae, CA

**EDUCATION .**

**University of California, Santa Barbara** Santa Barbara, California

*Bachelor of Science in Computer Science |* Senior Expected 12/2020

* Suzan Duckworth Scholarship for Academic Excellence
* Phi Theta Kappa Honor Society

**PROJECTS .**

* Productiv – iOS Productivity app that lets users organize and schedule tasks, write and categorize notes and set time-blocking timers to boost productivity. - 08/2020
* Waveform Calculator – Python application that takes a song and compares its waveform characteristics to a dataset and recommends similar songs using my own beat tracking and wave feature algorithm implementations. - 05/2020
* Light Field Camera – C++ application that simulates the focus of a camera with variable focal length and renders 3D scenes with a depth of field blur. - 12/2019
* Visit [virbedi.github.io](https://virbedi.github.io/) for more projects and information.

**EXPERIENCE .**

**Vida Health** San Francisco, California

iOS Development Intern, Member Experience Team 06/2020 to 09/2020

* Working on Vida’s iOS Application, using Programmatic layouts, UIKit and CocoaPods.
* Implemented new content browsing and showcasing feature with custom animations, navigation using GraphQL.

*Software Engineering Intern, Enterprise Infrastructure Team* 06/2019 to 09/2019

* Improved backend security by replacing Django login with Single Sign On (SSO) using SAML2.
* Added functionality to unlock user accounts after multiple incorrect password attempts.
* Implemented Split.io experiment client functionality to Django backend server.

**FitFetti Inc.** San Francisco, California

Product Development Intern 06/2018 to 08/2018

* Created webpages and app screens including social media integration into website.
* Created user surveys and gathered feedback for improving app functionality.
* Helped develop new version of FitFetti app which offers incentives for getting active.

**College of San Mateo** San Mateo, California

International Student Ambassador, Center for Global Engagement 01/2017 to 05/2018

* Organized 7 college festivals and events to showcase diverse cultures such as the CSM Annual World Gala with 250+ attendees. Assisted the department with administrative work.

**TECHNICAL SKILLS AND ACTIVITIES .**

**Languages:** Java, C++, Swift, Python, HTML, XML, LaTeX

**Frameworks:** CSS, JUnit, TravisCI, Flask, Django, UIKit

**Others:** Android Studio, XCode, Firebase, Heroku, Git, Jira, Agile

Coursework: Algorithms and Data Structures; Object Oriented Design; Android Application Development; Programming Methods in C++; Computer Architecture; Multimedia Systems; Operating Systems; Compilers; Artificial Intelligence; Computer Graphics.