Vir Bedi

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EDUCATION .

University of California, Santa Barbara   Santa Barbara, California
Bachelor of Science in Computer Science | 2020
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. Using UIKit, Autolayout, CocoaPods and a Realm Database.   - 08/2020
- SoundWave Recommender – 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 models with an adjustable depth of field blur.   - 12/2019

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 and navigation, getting data with 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 feature flag capability to Python Flask microservice.

FitFetti Inc.   San Francisco, California
Product Development Intern   06/2018 to 08/2018
- Updated webpages and added social media integration to their website.
- Created user surveys and gathered customer feedback data to make improvements to the FitFetti Mobile App

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, MVC, React
Others: Android Studio, XCode, Firebase, Heroku, Git, Jira, Agile, Rest API
Coursework: Machine Learning; Artificial Intelligence; Object Oriented Design; Computer Architecture; Multimedia Systems; Operating Systems; Compilers; Computer Graphics; Mobile Dev