

Timesh Patel

Contact Education

ptimesh@gmail.com
Sunnyvale, CA

Sept 2016 - June 2020

BS Computer Science University of California, Santa Cruz (UCSC)

Websites Work Experience

<https://www.linkedin.com/in/timesh-patel/>

June 2019 - Sept 2019

Ondas Networks

Sunnyvale, California

Engineering Intern

I was a verifications engineering intern tasked with writing Q&A scripts to test their patented Software Defined Radios (SDR) platform for Mission Critical-IoT (MC-IoT) network applications.

- I revamped the old Q&A process into an easy, modular set of scripts.
- I developed scripts that tested the BS5000 and Cobalt network radio configurations in Expect and Tcl.
- I deployed FreeRadius and FogLamp authentication services to create a secure process for customer radio setup.

Programming Languages

Java
Python
C
Dart
PostgreSQL
Flutter
Tcl
Expect
Javascript
HTML/CSS
C++

Projects

Oct 2019 - Dec 2019

Outfit Ready

I collaborated with a team and to create an android and iOS app that allows users to see their clothing wardrobe/closet virtualized.

- Users can simply take pictures and upload their clothing items to a virtual closet where they can create new clothing outfits.
- Used continuous integration and a test driven development philosophy for unit testing.
- The technologies that we used were Dart, Flutter, Google Firebase (Database Storage), and Google Vision API.

Technologies

Amazon AWS,S3, and EC2
Alexa Skills Kit
Docker
Flutter
Travis Continuous
Integration
Web2Py Framework
FreeRadius and Foglamp
Authentication
BS5000 and Cobalt Network
Radios

May 2018

Dheliver

I developed a website with a team that allows users to access and order food from the UCSC dining halls from the comfort of their own home.

- Users would be able to log onto the website and choose what kind of food they wanted delivered from any of the UCSC dining halls and it would be delivered to them for a flat rate.
- The technologies we used were Stripe, Beautiful Soup for web scraping, HTML, and the Web2Py Framework.

Relevant Courses

Principles of Computer
System Design
Computer Architecture
Intro to Computer
Networking
Probability Theory
Abstract of Data Types
Analysis of Algorithms
Web Applications
Database Systems

May 2017

Alexa Computer Science Tips

Designed a functional Alexa application supporting people who are learning to program.

- People would be able to shout "Hey Alexa, show me Computer Science Tips" and the Alexa device would be able to give a tip on anything computer science related to the user.