

Himanshu Patel

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Education

California State University, Fullerton

Fullerton, CA

B.S. COMPUTER SCIENCE

August 2019

- Classes: Data Structures, Software Development with Open Source Systems, Databases, Compilers, Software Engineering, Operating Systems, Front-End Engineering, Algorithm Engineering, Computer Communications
- Clubs: Association for Computing Machinery

Skills

Languages JavaScript, Python, HTML, CSS, C++

Frameworks React, Redux, Node.js, Express, Django, Bootstrap

Databases MongoDB, PostgreSQL, MySQL

Tools Git, Mocha, Chai, Travis CI, Heroku, AWS

Projects

Spotify Playlist Creator

[Demo](#)

REACT, NODE.JS, EXPRESS, BOOTSTRAP

- Developed a web application that allows Spotify users to create a playlist based on an artist, keywords, or user metrics.
- Utilized Spotify's Web API to aggregate top tracks from artists and create a playlist with them.
- Wrote an algorithm to find the top 100 tracks from 50 playlists that match the user's keywords.
- Authenticated users by implementing the authorization code flow.

Instagram Clone

[Demo](#)

REACT, REDUX, NODE.JS, EXPRESS, MONGODB, MOCHA, CHAI, TRAVIS CI, BOOTSTRAP

- Built a social media website similar to Instagram. Users can upload pictures, like posts, leave comments, and follow users.
- Designed and implemented a RESTful API with Node.js/Express and connected it to a MongoDB database hosted on mLab.
- Wrote tests for the API using Mocha and Chai and set up continuous integration with Travis CI.
- Authenticated users using Passport.js, Bcrypt.js and JSON Web Tokens.

MyShowList

[Demo](#)

REACT, REDUX, DJANGO, POSTGRESQL, AWS (ELASTIC BEANSTALK, RDS), ANT DESIGN

- Developed a web app for keeping track of shows. Users can create a list with shows and mark them as complete, watching, etc.
- Implemented a rating system, reactions/reviews, friendships, and ability to sort lists by rating, status, title, and more.
- Created a REST API using the Django REST framework and connected it to a PostgreSQL instance hosted on AWS RDS.

eScoreboard

[Demo](#)

REACT, NODE.JS, EXPRESS, BOOTSTRAP

- Developed a responsive eSports scoreboard web application that features multiple eSports games.
- Used Pandascore's REST API to fetch data on eSports matches from popular games like League of Legends and Overwatch.
- Implemented a proxy server with Node.js/Express and made API calls using Axios.

Class Notifier Bot

[Github](#)

FLASK, BEAUTIFUL SOUP, SELENIUM

- Built a Facebook Messenger bot that allows students of Cal State Fullerton to check the status of classes.
- Implemented a feature that notifies students when a waitlisted/closed class is available via text or email using Twilio.
- Scraped the university's course catalog with BeautifulSoup 4 and Selenium.

Discord Bot

[Demo](#)

PYTHON, AWS EC2

- Created a Discord bot that interacts with various video game APIs (League of Legends, PUBG, Fortnite) to display player stats.
- Implemented commands that make moderating servers easier and a command to play/queue YouTube videos in voice channels.
- Displayed the daily weather forecast for a given location using the Dark Sky API.