Abhimanyu Patel

abhimanyu.patel15@gmail.com ▪ abhimanyu-patel.github.io ▪ /github.com/abhimanyu-patel ▪ 951-317-0974

EXPERIENCE

Tealium Inc – Software Solutions Engineer — March 2019 – Present

- Developed solutions and features for client front-end needs using JavaScript, ReactJS, jQuery, and HTML/CSS
- Utilized web scraping techniques to extract and organize the data efficiently and conduct regression analysis for better prediction on ROI
- Developed integral front-end custom web tools for improving the efficiency of the UI and UX by three times
- Integrated third party software into Tealium product suite by adding or modifying existing JS code libraries
- Mentored junior engineers on breaking down code logic, teaching JavaScript fundamentals and APIs while hosting weekly stand up meetings

Infosys Ltd – Associate Software Engineer — July 2018 - March 2019

- Developed a smart module using JavaScript and HTML where contents will be displayed according to user assigned roles by integrating RESTful OData Service that presents data from backend to consume them in UI5 application.
- Designed a smart table functionality for each screen in the application following the MVC architecture.
- Optimized User Interface using JavaScript for multiple checkbox selection compared to the one at a time.
- Collaborate with the development as well as support team to overcome the flaws encountered in maintenance of the application following SDLC as well as Agile methodology.

EDUCATION

University of California, San Diego

Class of 2018

- B.S. Electrical Engineering

SOFTWARE SKILLS

- **Languages**: Python, JavaScript, HTML5, CSS, SQL, node.js,
- **Technologies**: React.js, Node.js, Streamlit, Django, NPM, Git, Selenium scripting, Django
- **Databases:** MySQL, Oracle, MongoDB

PROJECTS/HACKATHONS

Motor Vehicle collisions in NYC - Personal Project

https://github.com/abhimanyu-patel/streamlit-nyc — **Fall 2020**

- Manipulated and cleaned data in Python using NumPy and Panda libraries to use it further for analysis of motor vehicle collisions in NYC
- Used streamlit to visualize data on a 3D interactive map

Data Analysis, Senior Class project - UCSD

https://github.com/abhimanyu-patel/ECE-180-Final-Project — **Winter 2018**

- Sifted and cleaned data in Python using NumPy and Panda libraries to use it further for regression model to see correlation between high school and elementary school AP test performances.
- Achieved accurate results via Linear Regression with minimal error in predicting the high school AP test performances by training the elementary school data.

GPS Algorithm based on Least Squares - UCSD — Fall 2017

- Developed the GPS algorithm using MATLAB software with the given data and made comparison plots to show the position accuracy.
- Utilized the steepest Gradient descent as well as Gauss-Newton method to find the minimum error in position with respect to the actual value.

Bar Assist, Arduino Controlled Smart Coaster (IoT) - UCSD Hackathon — Spring 2016

- Constructed a smart coaster at a hardware hackathon organized by IEEE and HKN at UC San Diego
- Worked on the software development as well as hardware integration of the pressure & temperature sensor
- The device prototype was designed and built within 24 hours and had the following features:
    - Senses the temperature and sends notification over Bluetooth to the Android application based on the configured parameters
    - Measures the weight of the glass in order to determine the need for a refill and send notifications over Bluetooth to the android application