SIMRANJOT SINGH

Lodi, CA 95242
Phone: 209-663-8576 | Email: ssingh7080@gmail.com
LinkedIn: linkedin.com/in/simsingh-simewl8 | GitHub: github.com/SiMewL8

SUMMARY

- Disciplined and dedicated Data Analyst ready to engage in creative endeavors in the data world with skills in data modules, web development, data pipelines and visualizations
- Experienced in refining and cleaning raw data to reach a clear synthesis from variety of sources with impactful visualizations using various Python/JavaScript libraries and utilizing Machine Learning models to present analysis and forecasting
- Ready to engage in independent projects as well as collaborative group work
- Designed a local web dashboard for displaying car accident statistics for California Counties with HTML, CSS, and JavaScript utilizing a US Accidents Database connected through PostgreSQL database with Python SQLAlchemy as well Machine Learning prediction of Car Accident Severity with Decision Tree Modeling

TECHNICAL SKILLS

Tools: Python, JavaScript, HTML, CSS, Pandas, NumPy, Matplotlib, Flask, jQuery, SQLAlchemy, Splinter, APIs, AJAX, Plotly, D3.js, RStudio, MRJob, PySpark, Mapbox, GIT, GitHub, Tableau, Seaborn, Pickle, Sklearn Metrics, and TensorFlow
Databases: PostgreSQL, MongoDB, NoSQL, S3 Buckets, Amazon RDS

PROJECTS

Accident Severity | www.github.com/SiMewL8/Car_Accident_Severity_FinalProject
- Displayed summary visualizations of car accidents in California Counties on a user-input interactive dashboard using Plotly.js, HTML, and CSS with AJAX jQuery and SQLAlchemy from a locally hosted PostgreSQL US Car Accidents Database
- Modeled Accident Severity prediction for a user-selected California County using Decision Tree Classifier with various features and Severity as the target

Credit Risk Machine Learning | www.github.com/SiMewL8/credit_risk_ml
- Predicted credit risk with various machine learning algorithms using Python to monitor profiles and validate candidates for lending loans
- Utilized and compared various machine learning models with trained and tested data such as Random Oversampling and Balanced Random Forest Classifier to select best-fit model of accuracy and precision

Mapping Earthquakes | www.github.com/SiMewL8/Mapping_Earthquakes_JS
- Mapped earthquakes from the last seven days on an interactive map dashboard using JavaScript, HTML, and CSS with Flask App
- Utilized Leaflet.js API to populate recent earthquakes on a layered map with US Geological Survey GeoJSON data rendered with D3.js library hosted on a local server

EXPERIENCE

Community Service Officer (CSO) - Parttime   Oct 2015 – Sep 2019
University of California Police Department (UCPD)   Goleta, CA
Served as a liaison between students in UCSB and the police department while assisting UCPD with event security such as concerts, sports, and fairs. Assisted UCPD with crowd and traffic control when responding to calls in both routine and emergency situations. Worked day and grave shifts as a part-time student by patrolling campus and surrounding areas to ensure safety and to be present as a resource for students, such as the 24x7 escort service.
- Promoted to Shift Supervisor with increased duties in directing various shifts and events

- Established a Bike Mechanic Program within the department responsible for maintaining bikes and creating policies and discipline on biking etiquette, budgeting finances for equipment, as well as teaching/testing other coworkers in fixing bikes
- Participated in Police Dispatch Program by commandeering various radio channels to provide/receive information to/from CSOs in the field, while using Computer Aided Dispatch (CAD) entries to inform and communicate with Police Dispatchers in real-time

EDUCATION

Boot Camp Certificate: Data Analytics and Visualization   May 2020 – Nov 2020
University of California Berkeley Extension (Online)   Berkeley, CA
A 24-week intensive program focused on acquiring technical programming skills in and data refining using Excel, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.
- Decent excel knowledge and basic programming experience prior to starting bootcamp
- Learned various methods to track and control versions of projects and assignments using Git
- Adjusted to one week per module pace for 24 weeks with an amazing instructional staff and plentiful resources, all done online through video conferencing

Bachelor of Arts: Global Studies   Sep 2015 – Sep 2019
University of California Santa Barbara   Goleta, CA
Interdisciplinary undergraduate major in international studies focusing on globalization with understanding historical and contemporary events happening on the global scale. Combine narratives and backgrounds from various disciplines such as economics, geopolitics, migration, and environment.
- Minor in Statistics, Japanese and Asian American Studies
- Participated in Intramural Badminton and Japanese Language Club (JLC)
- Worked part-time as a Community Service Officer (CSO) for 4 years