Revathi Satkuna| Data Scientist

Fremont | (415) 996-6874| revathi.satkuna@gmail.com | https://www.linkedin.com/in/revathi-satkuna-348a091b3// | github.com/rsatkuna | portfolio :https://rsatkuna.github.io/

Brand Statement

I'm a solutions-driven, aspiring Data Scientist with a huge passion for solving complex problems with data and offering statistical insights to questions that need answering. I aspire to use a calculated way of thinking to address problems that can be answered creatively.

Skills

Languages - Python, SQL, Regex, Scala, HTML, CSS

Database - Databricks, PostgreSQL, AWS, Git, Streamlit/Flask,

Libraries and Frameworks - Spacy, Scikitlearn, Tensorflow and Keras, Pandas, Numpy, Matplotlib, Seaborn

Data Science Projects   OCTOBER 2022 - PRESENT

Mass Incarceration Analysis- Predicted how guidelines change the way cases are sentenced   DECEMBER 2022 - PRESENT
- As a team, constructed a problem where, working for the U.S. Sentencing Commision, provided insights into sentencing trends in order to identify areas for policy reform related to trial proceeding rights.
- Explored how regulations impact sentencing and provided recommendations from findings.
- Utilized a Random Forest Classifier with BayesSearchCV to perform a multiclass classification..

What's Cooking - Predicted type of cuisine based on list of ingredients   NOVEMBER 2022 - PRESENT
- As a team, identified relevant Natural Language Processing problem involving classification.
- Predicted type of cuisine based on common list of ingredients using modeling.
- Used Pipeline with StandardScaler() and a Random Forest model (utilizing BayesSearchCV) for classification models.

Truth is Stranger Than Fiction - Classified whether text came from a particular subreddit.   NOVEMBER 2022 - PRESENT
- Collected posts from the r/creativewriting and r/talesfromtechsupport subreddits using Pushshift's API
- Trained a classifier using Natural Language Processing. Used a tokenizer, and lemmatized our feature text column and performed a TfidfVectorizer.
- Utilized Logistic Regression and visualized by displaying top positive and negative correlation of the features. Model performed at 99.1% accuracy so it accurately predicted which subreddit a text came from.

Professional Experience

Lab Technician II | Graphwear Technologies Inc | San Francisco, CA   JUNE 2021 - APRIL 2022
- Performed biological, chemical and analytical tests on nanotechnology

Teacher| C2 Education| Milpitas, CA   JUNE 2019 - OCTOBER 2019
- Prepared high school students in a 3 to1 ratio for the ACT/SAT and in various school subjects, ranging from calculus to chemistry
- Brought scores up by an average of 200 points on the SAT and 4 points on the ACT.

Teacher| Achieve Learning | Oakland, CA   JUNE 2018 - MAY 2019
- Guided students on how to succeed on the SAT/ACT in a 1 on 1 setting and in a class setting of about 12 students.

EDUCATION

General Assembly | Remote   OCTOBER 2022 - JANUARY 2023
Data Science Immersive

Data science immersive student in an intensive, 12-week, 600+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

University of San Francisco | San Francisco, CA   AUGUST 2012 - MAY 2016
B.S. Chemistry (concentration Biochemistry)
AUGUST 2012 - MAY 2016
Relevant coursework: Biochemistry, Analytical Chemistry, Inorganic Chemistry, Physical Chemistry, Organic Chemistry