Dripta Senapati

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- ## Career Objective:

Passionate about **Artificial Intelligence**, **Statistics**, **NLP** and **Coding**. Looking forward to establish a career as a Data Scientist or a Data Analyst. I have great analytical and programming skills besides having in-depth mathematical knowledge and sound knowledge about Computer. Having the ability to solve complex statistical problems and analyze the data within stipulated deadline.

- ## Technical Skills:

  - *Python*: Expertise in Python Programming.
  - *SQl:* Have knowledge of database and SQL queries in PostgreSQL. Can access database using python.
  - *Machine Learning and Analysis:*
    - **Regression Analysis**: Multiple Linear Regression, Support Vector Regression (SVR), Polynomial Regression
    - **Classification analysis**: Random forest, decision tree, logistic regression
    - **Cluster Analysis**: KNN
    - **Multivariate Analysis**: Principal Component Analysis.
    - **Neural Networks**: Neural networks, Time Series Analysis, ANN, RNN, LSTM, CNN, Gradient boosting, Xgboost
    - **NLP**: Seq2Seq modelling, Creating Chatbots.

  - R Programming:
  - MS Excel
  - MS Word
  - MS PowerPoint

- ## Accomplishments:

  - Built a simple **artificial intelligence**, based on Python, that can-do simple jobs like opening apps, playing music, telling weather information, telling time etc. The project is at an intermediate level as of now.
  - Created a **python package** on Covid-19 that can retrieve all the numerical data related to the COVID-19 spread in India. This package has the power of filtering the data for user's choice and can visualize the death, recovered and confirmed cases. (PyPi Link: https://pypi.org/project/covdata/)
  - Created a **crop recommendation model** that can predict a crop based on suitable soil characteristics like pH, Nitrogen and Potassium and based on weather conditions like temperature and humidity.
  - Have built a website for COVID-19 in India that gives flexibility to users to see the data for varying filters and also some **graphical analyses** are also done in website. (https://covdata.pythonanywhere.com/)
  - Working on a **Covid-19** based project that actually applies **SEIR epidemiological model** to, that shows whether the lock down in India is effective or not. Trying to fit **LSTM model** to predict the future pattern of **Reproduction rate**.
  - Attended **Virtual Experience Program** in Data @ANZ on **synthesized** transaction of bank having the daily transactions of all customers.

➢ Completed Deep NLP and SQL course from Udemy.
➢ Worked for 2 years as **Chegg Expert** by solving the statistical problems.

- **<u>Education</u>:**

  ➢ Post-graduation:
    - ○ Subject: Statistics (Special paper: Multivariate analysis)
    - ○ Institute: University of Kalyani
    - ○ Marks:
      - ▪ 2nd semester: 74%
      - ▪ 1st semester: 68%
  ➢ Under-graduation:
    - ○ Subject: Statistics
    - ○ Institute: University of Calcutta
    - ○ College: Asutosh College
    - ○ Marks: 70%
  ➢ Higher Secondary:
    - ○ Subject: Science
    - ○ Institute: Labanhrad Vidyapith. (Salt Lake AD)
    - ○ Marks: 87%
  ➢ Secondary:
    - ○ Institute: The Scottish Church Collegiate School
    - ○ Marks: 84%