

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.
- *Machine Learning and Analysis*:
 - **Regression Analysis**: Multiple Linear Regression, Support Vector Regression (SVR), Polynomial Regression
 - **Classification analysis**: decision tree, logistic regression
 - **Multivariate Analysis**: Principal Component Analysis.
 - **Neural Networks**: Neural networks, Time Series Analysis, ANN, RNN, LSTM, CNN.
 - **NLP**: Seq2Seq modelling (Some Basics).
- R Programming:
- MS Excel
- MS Word
- MS PowerPoint

- **Work Experience:**

- Data Scientist at Objectsol Technologies Private Limited from Feb 2020.
 - ✓ **Job Description:**
It is a software-based company, successfully building apps for Android, iOS, IpTV. I have to develop backend algorithm which are based on some mathematical models and some Machine Learning algorithm.

- **Accomplishments:**

- Built a simple **Chatbot** using **Transformer** model and **LSTM RNN**. For now, it can chat like humans with meaningful sentences and it can also tell weather of any place. It is a very basic one. (GitHub Link: <https://github.com/DriptaSenapati/ChatBot>)
- 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.

- **Education:**

- Post-graduation:
 - Subject: Statistics (Special paper: Multivariate analysis)
 - Institute: University of Kalyani
 - Pass out year: 2020
 - Marks:
 - 4th semester: 8.5 CGPA
 - 3rd semester: 6.2 CGPA
 - 2nd semester: 8.6 CGPA
 - 1st semester: 7.50 CGPA
- Under-graduation:
 - Subject: Statistics
 - Institute: University of Calcutta
 - College: Asutosh College
 - Marks: 70%
 - Pass out year: 2018
- Higher Secondary:
 - Subject: Science
 - Institute: Labanhrad Vidyapith. (Salt Lake AD)
 - Marks: 87%
 - Pass out year: 2015
- Secondary:
 - Institute: The Scottish Church Collegiate School
 - Marks: 84%
 - Pass out year: 2013