

# 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

- **Work Experience:**

- Data Scientist at Objectsol Technologies Private Limited for 7 months.

- ✓ **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 **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.

- **Education:**

- Post-graduation:
  - Subject: Statistics (Special paper: Multivariate analysis)
  - Institute: University of Kalyani
  - Marks:
    - 2<sup>nd</sup> semester: 74%
    - 1<sup>st</sup> 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%