

# Sourav Mandal

## Data Scientist



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🔒 Unmarried

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🌐 <https://github.com/Sourav9827>

### Education

**Bachelor in Education (B.Ed), W.B.U.T.T.E.P.A**  
09/2021 – present | Santipur, India

**M.Sc Mathematics(Pure),**  
*University Of Kalyani*  
08/2019 – 08/2021 | Kalyani, India

**B.Sc (Hons.) Mathematics,**  
*University Of Kalyani*  
07/2016 – 07/2019 | Kalyani, India

### Certificates

**Data Analytics Consulting Virtual Internship(KPMG)**  
*Data Quality Assessment*  
*Data Insights*  
*Data Insights and Presentation*  
May 8th, 2021

**Data@ANZ Program**  
*Exploratory Data Analysis*  
*Predictive Analytics*  
May 13th, 2021

### Professional Experience

**Mentor of NH Mapping, Highway Delite**  
02/2022 – present | Work from home, India  
Monitor the work of interns under me, give training and work on the backend maintenance of the website.

**Teacher(Mathematics), Self Employed**  
2017 – present | Chakdaha, India  
I am a private tutor in mathematics and teach mathematics to students of class XI and above, and science and mathematics to students from class VIII to X.

**Data Analyst Intern, The Sparks Foundation**  
08/2021 – 09/2021 | Work from home, India

### Projects

**Algerian Forest fire prediction, Data Science Regression and Classification Project using Python**  
06/2022 – 06/2022  
In this project, there is an Algerian forest fire dataset (from the UCI repository), and using this, I have done EDA on it and then made two models for predicting temperature and whether there will be fire or not for a given instance. I had tried with many ML algorithms but finally got good accuracies with Random forest for both Regression and Classification task. I created a web app for this using flask and deployed it using Heroku(<https://algerian-forest-fire-predict.herokuapp.com/>).

**Review Scraper,**  
*Flipkart Review Scraper Using Flask*  
03/2022 – 04/2022  
This project is built in Python using the Flask API framework and deployed using the Heroku (<https://reviewscraperflipkart1998.herokuapp.com/>). Here you have to give the name of the product for which you want to retrieve reviews, and this app will directly retrieve the first 10 reviews from Flipkart.

## Languages

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English	● ● ● ● ●
Hindi	● ● ● ● ●
Bengali	● ● ● ● ●

## Courses

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### Introduction to R Software, NPTEL

09/2020 – 11/2022

### Learning Analytics Tools, NPTEL

07/2021 – 10/2021

### Probability for Computer Science, NPTEL

07/2021 – 10/2021

### Introduction to Machine Learning, NPTEL

07/2021 – 09/2021

### Introduction to Machine Learning,

*Duke University(Coursera)*

04/2021 – 05/2021

### Data Analytics with Python, NPTEL

01/2021 – 04/2021

### Data Science for Engineers, NPTEL

01/2021 – 03/2021

### Programming, Data Structures And

*Algorithms Using Python, NPTEL*

09/2020 – 11/2020

### Introduction to R Software, NPTEL

09/2020 – 11/2020

### Python for Data Science, NPTEL

09/2020 – 10/2020

### Image Scraper,

*Google Image Scraper using Flask*

03/2022 – 04/2022

In this app, we have to give the name of the item for which we want the images. It will fetch all the images from the Google web site and store them on your local system. This app is written in Python and deployed on a local system using the Flask API Framework.

### Puppy adoption site,

*Puppy Adoption Site using Flask*

03/2022 – 04/2022

This is a website hosted by Heroku (<https://puppy-adoption-site.herokuapp.com/>) where you can give the name and owner of the puppy that is available to be adopted. Also on this site, you can add, delete, or view the list of puppies that are available for adoption. This data is stored using sqlite and the whole project is written in Python.

## Skills

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**Python** (Pandas, Numpy, Matplotlib, Seaborn, Flask, Plotly, Dash, Sklearn etc.),

**R Software** (ggplot2, dplyr, plotly kniter, data.table, mlr3 etc.),

**Tableau** (Tableau is a business intelligence tool which helps us to analyze the raw data in the form of the visual manner; it may be a graph, report, etc.),

**Power BI** (Microsoft Power BI is a collection of apps, software services and connectors that come together to turn unrelated data into visually impressive and interactive insights.),

**Databases** (MySQL, sqllite3, integration of Python with SQL, MongoDB atlas and cassandra etc.),

**Team Leader** (I lead a group of interns under me, monitor their work and as a team we solve various task in my present company.)

## Declaration

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I hereby declare that all the information furnished above is correct to the best of my belief. I am responsible for the authenticity of all the information.

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**Sourav Mandal**  
Nadia, 21/04/2022