

ANURAN ROY

Creator of OpnEco | Working on FOSSBook | A voracious learner with an epic appetite for data, teamwork, implementation and self improvement. | Deducing insights and coding web servers to deploy someday.

CONTACT

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SKILLS

Coding

Python
JavaScript
Java
C/C++
Git
Bash/Powershell
R
MATLAB/GNU Octave
HTML/CSS
LaTeX
Markdown

Operating Systems

Linux
Windows

Software & Tools

Visualisation
(e.g. plotly, ggplot2, ...)
Data handling/analysis
(e.g. numpy, scipy, pandas, ...)
Business Intelligence
(PowerBI)
Web Development
(Django and NodeJS)
ML/DL
(scikit-learn and PyTorch)
Database
(MongoDB, MySQL...)
Office

Languages

English

ABOUT

I like to describe myself as a workaholic with a strong sense of responsibility, perseverance and someone who can meet deadlines. I love data. And I like to solve problems by making sense of data even more. Considered to be adaptable by my peers, I am an eager learner, and I am earnest to prove my skills with data. When you won't see me wrangling with data, you'll see me either playing with the soccer ball in my house garden, reading thriller stories, or sleeping.

WORK HISTORY

📅 07/2021 - 08/2021
📍 The Sparks Foundation, Singapore
Data Science and Analytics Trainee (GRIP)

EDUCATION

📅 2020 - 2024
📍 Vellore Institute of Technology, Vellore
B.Tech in Computer Science and Engineering with specialization in Internet of Things

📅 2018 - 2020
📍 Delhi Public School Ruby Park, Kolkata
Higher Secondary - AISSE

📅 2007 - 2018
📍 St.Patrick's H.S. School, Asansol
Secondary - ICSE

ACHIEVEMENTS, HONOURS AND AWARDS

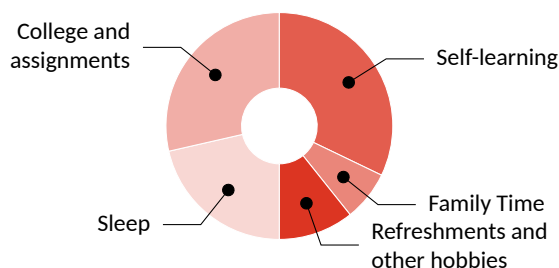
🏆 Kaggle Contributor
🏆 5-star at Python, HackerRank

GENERAL SKILLS

Writing Communication Flexible Multitasking Meeting deadlines
Lateral thinking Teamwork

Other than coding, I have an interest for technical writing as well. [My website](#) has them listed.

A DAY OF MY LIFE



PROJECTS

I like to call myself as a creative workaholic, and love making novel stuff, which can be something out-of-the-box. So here are some stuff that I've made:

1. OpnEco

 [View Code](#)

About:

OpnEco is a project developed to be a constant companion of content writers throughout their content writing process - from topic and keyword research to intent evaluation. By content writers, for content writers.

Tech Stack:

- Django and SQLite (for backend webserver)
- Plotly Express, NLTK, TextBlob, Text2Emotion, Pandas, Numpy (for data analysis and presentation)
- Pytrends, requests and BeautifulSoup (for Web Scraping)
- HTML, Bootstrap + Custom CSS, JavaScript (for frontend)
- Shell Scripting (for the setup)

2. IPL Dataset Analysis

 [View Notebook](#)

About:

The Indian Premier League (IPL) is one of the most famous sports events in the world. As such, it is imperative for teams and players to analyze each others' weaknesses to improve and strengths to consolidate. I have attempted to analyze teamwise performance and sorted out notable individual players, upto the 2019 season.

Libraries and/or techniques used:

- Data Aggregation (using Pandas)
- Data Cleaning and Imputation (using Pandas and MissForest)
- Data Visualization (using Plotly Express)
- Insight Deduction

3. Plagiarism Checker

 [View Code](#)

About:

A simple plagiarism checker implemented fully in Python3 from scratch, that scrapes search results from Bing, and uses stopword elimination, keyword extraction and cosine similarity to check for plagiarism in content.

Tech Stack:

- Pandas (for Data Aggregation)
- requests and BeautifulSoup (for Web Scraping)
- NLTK (for NLP metrics)

4. BarebonesDB

 [View Code](#)

About:

A simple, extremely lightweight, portable NoSQL style barebone DBMS purely made in Python 3.8 with no additional dependencies (atleast for now). Suitable for simple use cases where you need NoSQL style I/O. It's more like a module than a standalone DBMS.



Tech Stack:

- JSON (for handling artifacts)
- Python3 (for other purposes)

OPNECO: HIGHLIGHTS

- **OpnKeywords:** Get content-based keyword suggestions. Uses Google Trends data.
- **OpnEmo:** Get the emotion conveyed by content.
- **OpnInsights:** Get information regarding the next keyword(s) to target.
- **OpnTranscribe** (under development, optional extension): Convert audio to text, to add to content.
- **OpnInfo** (planned): A playground combining all other features into a single, unified dashboard.
- **Persistence** (planned): To save one session's data for use in future.
- **Report Generation** (planned): To generate automated reports for results generated by the various features.

SOME OTHER PROJECTS

- **Alucard:** A simple command line assistant powered by the Wolfram Engine, written in Python.  [View Code](#)
- **Vosk-demo:** A simple offline speech-to-command system written in Python, using Vosk-API as the backend and NLTK to filter out commands.  [View Code](#)

CERTIFICATIONS

- Data Science with R Programming (SimpliLearn)
- Python Certification (Kaggle)
- Data Visualization (Kaggle)
- MongoDB Basics (MongoDB University)