

Soumyadip Ghorai

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Portfolio : <https://soumyadipghorai.github.io>



Highly motivated data science professional with 5 months of working experience in a fast growing startup and an MNC.

Experience :

Data Analyst Intern @Tweek Labs, Bangalore

MAR 2022 - JUL 2022

- Implemented new features like **max hip-rotation velocity**, **max shoulder-speed** of a fast bowler from labeled sensor data.
- Setup a separate notebook of **interactive charts** to check for anomalies in various parameters of athletes using **plotly**.
- Developed **aggregated scoring** methods to rank players according to their stats and represented in a **spider chart**.
- Implemented methods like **moving avg**, **selective scaling** to remove fluctuations in sensor data.
- Applied Machine learning to **predict ground contact** with an average accuracy of **11 milliseconds**.
- Migrated old data pipeline from **c# to python** and backend code from **pandas to numpy**.

Summer Intern @Ericsson, Kolkata [[certificate](#)]

SEP 2021 - OCT 2021

- Project** : Predict the root cause and recommend possible resolutions from the error messages from ENM upgradation logs that might reduce the overall processing time upto **50%**.
- Wrote a **generalized python parser** to parse all xml log files and create a clean json file to upload on elastic search.

Projects :

Personal Finance : [[github](#)] [[applink](#)]

Feb 2022 - Feb 2022

- Collected data on a daily basis of my expenses in a **spreadsheet** and created an interactive **Streamlit** web app.
- Basic features include **Pie charts**, **multiple bar graphs**, **spending trends**, **QNA**, **treemaps** and **time series forecasting**.
- Uploaded on **github** and deployed on **Heroku** and the project got [featured](#) on the **Streamlit community forum**.

Tech : python, streamlit, OOP, plotly.express, git, heroku, html, css, markdown

Predictos : [[github](#)]

NOV 2021 - DEC 2021

- Flask** based web app to **predict your potential future net worth** in millions using a **machine learning algorithm**.
- Scraped the data of highly successful people in different sectors from around the world using **Beautiful Soup**.
- Preprocessed the raw data, performed **EDA** to understand the data and done **feature engineering** and **feature scaling**.
- Applied machine learning algorithms to predict net worth based on available features with **MAE** of **61**.
- Created frontend using **HTML**, **CSS** and **jinja code** and in the backend used **flask**.

Tech : HTML, CSS, Flask, jinja code, VS Code, Machine learning, git

News Scraper web app : [[github](#)]

AUG 2021 - AUG 2021

- A **responsive** news app that shows news on various categories by scraping popular news sites in **real time**.
- Users can see the thumbnail, title and a short description and can be **redirected** to the actual article.

Tech : Flask, BeautifulSoup, HTML, CSS

Education :

University of Calcutta, 2021

BSc Statistic

7.74/10 CGPA

Indian Institute of Technology Madras, 2023

BSc Data Science(distance)

7.9/10 (till date)

Christ University, Bangalore, 2023

MSc Data Science

3.52/4 (till date)

Skills :

Python

SQL

Visualization

web scraping

HTML

CSS

Machine Learning

VScode

Achievements :

- 3X Expert** at **Kaggle** with 5+ EDAs having 100+ upvotes
- 3 star** at **codechef** with 100+ questions solved
- 5 star** at **Hackerrank** in Python & Problem solving.

Other activities :

- Google Developer Student Club** ML lead & team member.
- Represented college in multiple **state level athletic meets**.
- Founded** a college culturalFB page with **1500+ followers**