

Soumyadip Ghorai

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



Education :

Christ University, Bangalore, 2023	MSc Data Science	3.52/4 (till date)
Indian Institute of Technology, Madras, 2024	BSc Data Science (distance)	7.6/10 (till date)
University of Calcutta, 2021	BSc Statistic	7.74/10

Experience:

Data Analyst Intern @Tweek Labs, Bangalore

MAR 2022 - AUG 2022

- Implemented new features like **max hip rotation velocity**, **max shoulder speed** to satisfy customer demand.
- 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 to help organizations create leaderboards .
- Implemented methods like **moving avg**, **selective scaling** to remove fluctuations in sensor data to get accurate results.
- Applied KNN to predict **ground contact** with an average accuracy of **11ms** to get leg parameters more accurately.
- Setup pipeline to store data in google sheet using **google API**, made interactive dashboard using **Meta Base** to track KPIs.

Skills : python, Meta Base, Google Sheets, Google API, PyCharm, VS Code, GitHub

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

SEP 2021 - OCT 2021

- Root Cause Analysis 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.

Skills : Python, VS Code, MS Office

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.
- Uploaded on **github** and deployed on **Heroku** and the project got **featured** on the **Streamlit community** forum.
- Basic features include **Pie charts**, **bar graphs**, **spending trends**, **treemap** and **Q&A** to help make my financial decisions.

Tech : python, streamlit, plotly express, heroku, HTML, CSS, markdown, VS Code, git

Networth Predictor : [[github](#)]

NOV 2021 - DEC 2021

Flask based data driven alternative of FB games to **predict your potential future net worth** in millions using **machine learning**.

- Scraped the data of HNIs in 100+ categories 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 **Random Forest Regressor** to predict net worth based on available features with **MAE** of **1.4**.
- Created frontend using **HTML**, **CSS** and **jinja code** and in the backend used **flask**.

Tech : Machine learning, python, Flask, jinja code, HTML, CSS, VS Code, 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, Beautiful Soup, HTML, CSS, VS Code

Skills :

Python

SQL

Dashboard

web scraping

HTML

CSS

Machine Learning

VScode

Achievements :

- 3X Expert** at **Kaggle** with 5+ EDAs having 100+ upvotes
- 3star** at **codechef**, 200+ problems solved on **leetcode**.

Other Activities :

- Google Developers student club **Machine Learning Lead**.
- Represented college in multiple **state level athletic meets**.