Deepanshu Sahu

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EDUCATION

Bachelor of Engineering in Information Technology   Nagpur Maharashtra | 2018-2022
SHIR RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT
CGPA: 6.49

Higher Secondary School (Telenagna State Board)   Hyderabad Telengana | 2015-2017
NARAYANA HIGHER SECONDARY SCHOOL
Percentage: 95.2

PROJECTS

ONLINE JUDGE ⊙   SOLO

- A coding platform where user can write, compile, execute and evaluate their submitted code based on the test cases in database in different languages.
- It is **Django** web app utilising **CRUD** operations for code execution and **HTML, CSS** and **Bootstrap** for front end.
- Authentication is done using **Docker** containers if there is a presence of malicious content in the code file.
- Deployed the project on **AWS** to get it live on Internet.

CUSTOMER SEGMENTATION ⊙   3 MEMBER TEAM

- To know your valuable costumers we clustered the data of all customer in category **low, moderate, high**.
- Based on **RFM** (Recency Monetary Frequency) analysis used **IQR**(Inter quartile range),**Hopkins statistic, Silhouette analysis** to make data ready for **K-means algorithm**.
- Calculated the **LTV**(Lifetime value) of each customer for **next 6 months** based on its RFM score and then applied **XGBoost Classifier** to cluster them into 3 cluster high, moderate, low values.
- After final clustering we found out the aquaracy to be **78%**.

SPOT INSTANCE PRICE PREDICTION ⊙   3 MEMBER TEAM

- To use spot instance efficiently we provide you the prices of it beforehand to leverage it to its best extent.
- We used **BOTO-3** an amazon api to get dynamic Dataset of **past 90 days** of a particular spot instance.
- Applied **Decision Tree algorithm** to predict the prices of a spot instance for the selected instance type and region for next **6 months** at time **00:00** in a form of dataframe.

ACHIEVEMENTS

- Secured **190 rank** among **3k+ contestant** in Codechef Starter 49 division 3 challenge. 🏸
- Secured **256 rank** among **2k+ contestant** in Codechef Starter 38 division 2 challenge. 🏸
- Secured **237 rank** among **2k+ contestant** in Codechef Starter 36 division 3 challenge. 🏸
- Secured **385 rank** among **3.5k+ contestant** in Codechef July Long two division 3 challenge. 🏸
- Secured **1228 rank** among **10k+ contestant** in Codechef May Lunchtime 2021 division 3 challenge. 🏸
- **3 Star** at Codechef Username: **dee777 Best rating: 1781** . 🏸
- **450+ Questions Solved** in different coding platfroms.
- **Codechef** 🏸   **Codeforces** 📊   **Leetcode** ⑂   **Hackerearth** ⓗ   **Hackerank** Ⓗ

SKILLS

- **Languages:** C++, Java, Python, C, MySQL
- **Web Development:** Django, JavaScript, Bootstrap, HTML/CSS
- **Technology:** Git, Github, AWS, Docker, Machine Learning
- **Core Subjects:** Data Structures and Algorithms , Object Oriented Programming , Database Management System , Operating System , Computer Networks.