

Riona Chakrabarti

PERSONAL BACKGROUND

An aspiring data scientist seeking to solve problems using data driven solutions. With an understanding of machine learning and deep learning algorithms, I like working on projects that will aid businesses in predictive decision-making.

SKILLS

Programming languages

Java, Python, HTML/CSS, SQL, Javascript.

Frameworks

Flask, Django.

Tools

Tableau, RStudio, Weka, Git & Github, Docker, Kubernetes, Jenkins, Selenium.

Other Skills

English Proficiency, MS-Office, Public Speaking, Social Media Management, Content Creation.

CONTACT INFO

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WORK SUMMARY

INTERN

Data Sutram | June 2019 to July 2019

- Worked closely with the team developing the company's local intelligence platform and brainstormed ideas to market their DaaS solutions in sectors like Retail, Healthcare and Pharmaceuticals using MS-PowerPoint and Canva.
- Utilising Census 2011 data to create visualisations using Python.

INTERN

Rent-o-roof | May 2018 to July 2018

- Created content for company's social media pages on Instagram and Facebook.
- Drafted website content including FAQs and company policies.

PROJECTS

VEHICLE ROUTE OPTIMIZER

November 2021 - Ongoing

Solving a form of TSP by calculating optimal routes between 2 or more points. A LightGBM model is trained on New York Taxi Trips dataset and the predictions are fed to a Genetic Algorithm for optimization.

DATAMETRIC - CUSTOMER SEGMENTATION

October 2021 - Ongoing

A Customer Segmentation model with data-preprocessing pipelines and K-means clustering to provide an insight into an organization's customer base. The application is in the form of a Flask web application, uses PostgreSQL and is deployed on Heroku.

ANOMALY DETECTION IN HIGH DIMENSIONAL DATA

March 2021 - May, 2021

A study of several outlier detection algorithm which focuses on using the CBIF algorithm to overcome the drawbacks of the iForest algorithm.

SKRIBE - A FLASK-BASED BLOGGING PLATFORM

March 2021 - May, 2021

A blogging web application which would allow writers to publish articles on their subdomain. The application utilises Python's Flask framework and SQLite as the database.

ACADEMIC BACKGROUND

NIIT UNIVERSITY, NEEMRANA,

B. Tech. IN COMPUTER SCIENCE ENGINEERING | 2018 - Ongoing

- **Coordinator** - Debating Society NU.
- **Social Media and PR Team Lead** - siNUsoidV3 (NIIT University's technological fest).
- Part of the Content Editorial and Management team of **TEDxNIITUniversity**.

SUHILA BIRLA GIRLS' SCHOOL, KOLKATA.

All India Senior School Certificate Examination (AISSCE) | 2016 - 2018

- Runners-up at the **Asian Regional Space Settlement and Design Competition** (ARSSDC - Gurgaon).
- Part of the **Indo-Chinese Cultural Exchange Programme** to Kunming, Yunan, China.
- **Volunteer** at the Sneha Club (Social Service club of Sushila Birla Girls' School).