

RIONA CHAKRABARTI



CONTACT INFORMATION

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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 work on projects that will aid businesses in predictive decision-making.

SKILLS

- **Programming languages** - Java, Python, HTML/CSS, R, SQL.
- **Frameworks** - Flask, Django
- **Tools** - Tableau, RStudio, Weka, Git & Github, Docker, Kubernetes, Jenkins.
- **Other Skills** - English Proficiency, MS-Office, Public Speaking, Social Media Management, Content Creation.

ACHIEVEMENTS AND EXPERIENCES

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

CAREER 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

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

A Customer Segmentation model with data-preprocessing pipelines and Kmeans 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

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

Data Exploration - Covid Deaths

An EDA project using SQL on the Covid Deaths dataset from ourworldindata.org.

ACADEMIC HISTORY

NIIT University, Neemrana,

BTECH. IN COMPUTER SCIENCE ENGINEERING
2018- Ongoing

Suhila Birla Girls' School, Kolkata.

ALL INDIA SENIOR SCHOOL CERTIFICATE
EXAMINATION (AISSCE)
2016-2018