

FLORENTYNA RODRIGUES

DATA SCIENTIST

EXPERIENCE

Freelance Scientific Consultant | Upwork

JAN 2016- JUL 2019, CHENNAI, IN

- Proficiently analyzed datasets, performed data cleaning and filtering to create intuitive reports and graphical representations in Microsoft Office.
- Authored and reviewed scientific manuscripts for compliance with quality standards and ensured that deadlines were met.

Asst. Professor, Biomedical Engineering | Saveetha University

JUN 2017 - 2019, CHENNAI, IN

- Consistently delivered lectures, prepared FLIP videos, evaluated and tracked assignments, as well as examinations via MILA Learning Management Systems (LMS).
- Created and maintained databases of student activities, credits, examination results, and extracurricular activities.
- Managed faculty scheduling and increased faculty productivity (~40%) via an online tracking system.

Research Fellow | University of Madras

JUN 2009 - JAN 2016, CHENNAI, IN

- Performed statistical data analytics via Pandas, NumPy, Matplotlib and Seaborn (Python libraries) to optimize enzyme production and specific activity and subsequently fabricated a highly efficient, enzymatic biosensor.
- Designed and executed in vitro experiments to assess, modify assays, techniques, and technologies to characterize enzyme production, specific activity and processes from collected data.

EDUCATION

BrainStation | Diploma Candidate, Data Science

AUG 2020 - OCT 2020, TORONTO, ON

University of Madras | Doctorate in Biotechnology

APR 2011 - JUL 2017, CHENNAI, IN

Madras Christian College | Masters in Plant Biology and Plant Biotechnology, Minor - Biochemistry

JUN 2007 - APR 2009, CHENNAI, IN

PROJECTS

Biomedical Text Summarizer (BMTS)

A machine learning algorithm to extract and summarize biomedical concepts from full-text pdf journal articles. It employs an itemset mining algorithm to discover the topic of interest - Gout.

Predicting Yelp Star ratings based on review content

Natural Language Processing project to classify Yelp Reviews into 1 star or 5-star categories based on the text content in the reviews.

Florentyna.r@gmail.com
647-913-5301
<https://www.linkedin.com/in/florentyna-rodrigues/>
github.com/Flo-tyna

SKILLS

Python, R, SQL, Machine learning,
Deep learning, Hadoop, Google Analytics, GitHub, Tableau

PROFILE

I am a motivated, articulate and organized professional equipped with strong technical skills rooted in substantial training as a researcher. An effective communicator capable of communicating trends and insights to technical and non-technical audiences. I am currently looking for a position in which I can leverage my experience to support the development of innovative analytic solutions.