

RAJDEEP CHAKRABORTY



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OBJECTIVE

I am eager to apply my skill set for data-driven insights to new opportunities. With a strong command of Python programming, as well as experience in data analysis, statistical methods, and scientific computing, my objective is to contribute meaningfully to dynamic and collaborative work environments. I am committed to supporting innovation and informed decision-making.

EXPERIENCE

Online Math Tutor at Focus Edumatics Pvt Ltd

- [Oct 2022 - May 2023]

- Collaborated with students to complete assignments, identify skill gaps, and improve weaknesses
- Planned lessons to improve performance
- Evaluated student progress and modified lesson plans as needed
- Maintained typing speed of 60 WPM

SKILLS

* Exploratory Data Analysis & Visualization

* Python 3

* Inferential Statistical Analysis

* Scientific Computing

* Research Methodologies

PROJECTS

1. Python Case Studies

- Undertook six distinct case studies spanning DNA translation, multilingual text processing, clustering, classification and social network analysis
- Utilized machine learning algorithms to forecast wine quality, categorize Scotch Whiskies and dissect social networks
- Analyzing datasets to investigate bird migration patterns, language processing of diverse texts to convey outcomes using visualization and storytelling

2. Predicting Personality Traits From Cognitive Task Performance Through Task-fMRI Analysis

- Extracting and organizing data from HCP website, employing data preprocessing techniques
- Utilized exploratory data analysis to classify participants data, calculating IES scores for explanatory variables
- Participated in collaborative creation of predictive models, assembling outcomes and effectively conveying insights through technical report writing

* Version Control (Git)

* Advanced Excel

* Storytelling (PowerBI, Powerpoint)

CERTIFICATES

1. Computational Thinking using Python X Series

(edx, MITx)

- (06/2022 - 12/2022)

2. Introduction to Scripting in Python Specialization

(Coursera, Rice University)

- (04/2022 - 12/2022)

3. Fundamentals of Neuroscience X Series

(edx, HarvardX)

- (01/2023 - 05/2023)

4. Computational Neuroscience (Tutorials & Project)

(Neuromatch Academy)

- (07/2023)

EDUCATION

Bachelors in Mechanical Engineering

Future Institute of Engineering and Management (2018 - 2022)

Kolkata


Indian School Certificate - ISC

St. Augustine's Day School (2015-2017)

Barrackpore, Kolkata

CONTACT


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