

ROHAN J ADITYA

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EDUCATION

Boston University Master of Science , Applied Data Analytics Coursework: Data Science with Python, Machine Learning with R, Data Mining, Web Mining and Graph Analytics, Deep Learning, Big Data Analytics, Algorithms	Sep 2021 - Dec 2022 GPA: 4.00 (4.00)
Indian Institute of Technology Patna Bachelor of Technology , Mechanical Engineering Relevant Coursework: Data Science, Microeconomics, Macroeconomics, Financial Economics, Financial Analytics	Jul 2017 - Apr 2021 GPA: 8.18 (10.00)

WORK EXPERIENCE

Data Analyst Intern KPMG Trivandrum, India	May 2020 - Jul 2020
<ul style="list-style-type: none">Developed and deployed a model to predict the energy demand of Indian states and union territories in 2020-2021.Handled the entire data pipeline - from data preprocessing and cleaning to visualization and reporting.Predicted the effect of the early stages of the global coronavirus pandemic and decline in economic growth on every state's energy requirements.Conducted scenario analysis to quantify the effect of various levels of economic decline on the energy demand.	
Research Assistant Indian Institute of Technology Patna, India	Feb 2019 - May 2019
<ul style="list-style-type: none">Co-authored a paper titled <i>Kernelized Unified Domain Adaptation on Geometrical Manifolds</i> published in the journal <i>Expert Systems with Applications</i>.Evaluated the performance of the proposed model and conducted hyperparameter tuning to optimize it.	

PROJECTS

Summarization of news articles using LSTMs Abstractive summarization of news articles from XSum, CNN/DailyMail, and Multi-News while preserving their content.	Mar 2022 - Present
Detection of potentially hazardous near-Earth objects Analysis of asteroids in the Atira, Aten, Amor, and Apollo groups to determine whether or not they are potentially hazardous.	Mar 2022 - Present
Face Mask Recognition Used fully convolutional networks (FCNs) and convolutional neural networks (CNNs) to classify images of people from an unbalanced and restrictive data set into three categories - wearing a mask, not wearing a mask, and incorrectly wearing a mask.	Oct 2021 - Dec 2021
Customer Personality Analysis Examined whether there is a difference in the amount spent on wine by people grouped by level of education, before and after adjusting for income using a one-way ANOVA and one-way ANCOVA procedure.	Nov 2021 - Dec 2021
Analysis of Songs on Spotify Examined the differences in the attributes of 15 genres of songs on Spotify and performed exploratory data analysis.	Nov 2021 - Dec 2021
Detection of Credit Card Fraud Analyzed several methods to detect fraudulent credit card transactions from a highly unbalanced data set in which the positive class (frauds) accounted for only 0.172% of all transactions.	Aug 2020 - Oct 2020
Detection and Recognition of Fruits Built a model to isolate and recognize fruits from images using OpenCV and convolutional neural networks on TensorFlow.	Dec 2019 - Feb 2020
Vehicle License Plate Recognition Developed a model to isolate and recognize license plates from images of vehicles in different lighting conditions and orientations using TensorFlow.	Aug 2019 - Oct 2019
Hate Speech Detection on Twitter Built a model to detect instances of hate speech on Twitter.	Feb 2019 - Mar 2019

KEY SKILLS

- Skilled at exploratory data analysis, predictive analysis, and data visualization.
- Experienced in handling and managing every step of the data science pipeline.
- Skilled at designing, developing, and deploying deep neural networks.
- Familiar with time series analysis and econometrics.

Python	R	C++	HTML	Git	AWS
TensorFlow	SQL	Scikit-learn	Tableau	Stata	CSS