Aditya Rajpoot

Looking for Internship | Data Science
Kharagpur, West Bengal
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A fourth-year undergraduate at IIT Kharagpur. Interested in and pursuing internships in interdisciplinary areas

including Machine Learning and data science. Worked as a Research Intern at Harvard business school as a data analyst. Actively involved in extracurricular activities, mainly Film making and photography. I have a passion for working for data-driven, innovative companies. I also enjoy solving issues using an analytical approach and am passionate about incorporating technology into my work

Work Experience

Data Analyst
Revolut Healthtech
December 2021 to January 2022

Designed a XGBoost regressor to estimate the extent of need for hospitalization for a Covid patient using all the available health parameters and giving them a CSS score.

Data Scientist
Assetplus Consulting
November 2021 to December 2021

•Designed a binary classifier to detect image of an image using transfer learning (ResNet50) and trained on custom dataset with image
augmentation with 94% accuracy.
•Designed a system for converting an RGB image to a thermal image using the wavelengths of RGB channels and mapping their intensities
corresponding to the Weins curve for Black body radiation using regression.

Research Associate
Harvard Business School
February 2021 to March 2021

•To Study Productivity effects of geographic mobility of workers and remote work practices
•Generated Correlation heatmaps among employees productivity and their geographical locations using Exploratory Data Analysis (EDA)
•Mapped the data of 5,000 US employees of Oil and Gas industry to the standard US O*NET occupation codes with the 95.67% accuracy

Handwriting Recognition
January 2021 to January 2021

•Made an RNN based classifier for handwriting recognition with initial convolutional layers to break written words to make out features

using those word can be broken into letters and numbers can be trained on NIST dataset with upward of 93% accuracy.

Rise Institute
November 2018 to December 2018

•Mentored underprivileged students for a month to assist them with their strategy preparing for JEE
•Used premier pro and other tools to create detailed videos everday comprising of solutions pertaining to JEE Mathematics and NCERT.

Education

Master's in mining engineering
IIT Kharagpur - Kharagpur, West Bengal
May 2018 to Present

Higher Secondary(12th Pass)
disha delphi Sr Sec School - Kota, Rajasthan
May 2015 to May 2017

Skills / IT Skills

• Analysis skills

• Microsoft Excel

• Python

• Communication skills

• Deep learning

• Data science

• TensorFlow

NGO, Non-Profit / Student Organizations

Unit Leader
August 2018 to July 2020

Led a unit of 60+ volunteers for National Service Scheme, IIT Kharagpur; responsible for overhauling a primary school, installing an RO system and refurbishing the toilets.
Taught primary school children, conducted blood donation camps, cloth distribution drives and cleanliness drives in rural areas around W. Midnapore