Rohit Nautiyal

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13/04/2000 Rohit Nautiyal Rohit Nautiyal

PROFILE

Data science aspirant with strong skills in statistics, programming, Analytics Tools(Power BI) and machine learning. Passionate about leveraging data to drive business success through informed decision-making. Seeking a position in the data field to apply my skills and experience to real-world challenges.

EDUCATION

MSC in Statistics 2020 – 2022
DAV PG college Dehradun Dehradun, India

Bachelor of Science in Physics, statistics mathematics 2017 – 2020
DAV PG college Dehradun Dehradun, India

Intermediate 2016 – 2017
Kendriya Vidyalaya I.M.A. Dehradun, India

Matriculation 2014 – 2015
Kendriya Vidyalaya I.M.A Dehradun, India

PROJECTS

Property Management Dashboard! 🏠📈 05/2023 – 05/2023
Power bi project

- This comprehensive analysis focuses on various key performance indicators (KPIs) to help property managers and investors make informed decisions. Let's explore the insightful metrics and features included in this dashboard:
- Data Collection and Preparation: To ensure accurate and reliable insights, I collected a vast amount of housing data from multiple sources, including real estate agencies, property management firms, and public records. Rigorous data cleaning and preparation processes were carried out to guarantee data integrity.
- 📈 Key Performance Indicators (KPIs): 1️⃣ Renovated Status, 2️⃣ Waterfront Status 3️⃣ Property Floors 4️⃣ Property Current Status 5️⃣ Number of Bedrooms 6️⃣ Build Year

Business Intelligence Solution for HPN 02/2023 – 05/2023
Power bi project

- This project aims to design and deliver an end-to-end business intelligence solution for HPN
- Track KPIs such as Net Sales, Profit, Orders, and Returns, and provide insights on a monthly, weekly, quarterly, and yearly basis.
- data normalization was performed to organize the data in a database, eliminating redundancy and inconsistent dependency
- This process involved creating tables and establishing relationships between those tables according to rules designed to protect the data and make the database more flexible.

Wafer fault detection ML project 11/2022 – 02/2023

- A Wafer also called a slice or substrate is a thin slice of semiconductor used for the fabrication of integrated circuits.
- The goal is to build a Machine Learning model which predicts whether a wafer needs to be replaced or not (i.e., whether it is working or not) based on the inputs from various sensors.
- The data used for training and Prediction consisted of 591 columns of float data type.
- If Null values are present, then they are imputed using KNN Imputer.
- KMeans algorithm is used to create clusters in the pre-processed data.
- After clusters are created, we find the best model for each cluster.
- We are using two algorithms, "Random Forest" and "XGBoost".
- This model is successfully deployed on AWS Elastic Beanstalk

Web Scrapper 11/2022 – 10/2022

- It scrapes list of all the courses provided in the iNeuron website including Category and SubCategories
- When user clicks on any course , they can view the summary detail of the course from the website.
- User can then save the course detail in Amazon S3 storage
- All the course related data scraped is stored in mongo DB and mySQL
- This application is deployed in the Beanstalk
- The application uses logging to log all the information

CERTIFICATES

Full Stack Data Science BootCamp 2.0
This course is all about stack required to work in the data science, data analytics, and big data industries, including machine learning operations and cloud infrastructure, as well as real-time industry project and product development with the iNeuron product development team.

SKILLS

PYTHON | MYSQL | STATISTICAL ANALYSIS | MACHINE LEARNING | POWER BI

DATA VISUALIZATION | MS EXCEL | MATPLOTLIB | NUMPY | PANDAS

INTERNSHIP

INEURON 03/2023 – present
Forest Cover Type Prediction
I've been working on: Forest Cover Type Prediction! 🌲🌳🌿
Using a dataset of various environmental variables such as elevation, slope, soil type, and vegetation type, I developed a machine learning model that accurately predicts the type of forest cover based on these features.This project involved extensive data exploration, preprocessing, feature engineering, and model training. It was a challenging but rewarding experience that allowed me to gain hands-on experience with data science techniques and tools.I'm proud of what I accomplished with this project and I'm excited to apply what I've learned to future data science projects.