

# Raj Gosain

## Data Analyst

I'm a data-driven analyst, utilizing advanced tools and techniques to extract meaningful insights, drive informed decision-making, and deliver impactful results.

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## EDUCATION

### Study Program

Noida Institute of Engineering and Technology

08/2020 - Present

Greater Noida, Uttar Pradesh

Bachelor's degree in Technology

- Computer Science - AIML

## SKILLS

Python

SQL

BI Tools

Machine Learning

Data Visualization

Web Development

Analytical

Data cleaning

Database Management

## PERSONAL PROJECTS

### Credit Card Fraud Detection: (08/2022 - 09/2022)

- Developed a robust machine learning prediction model to identify fraudulent credit card transactions, ensuring consumer protection and preventing unauthorized charges.
- Leveraged advanced machine learning techniques to accurately classify fraudulent transactions, contributing to the security and trust of credit card companies and consumers.

### Diamond Price Prediction: (08/2022 - 09/2022)

- Implemented and evaluated multiple regression models, achieving an outstanding R2 Score of 98.96% for the model with all features and 98.09% for the top 10 features.
- Optimized the Random Forest Regression model's hyperparameters using grid search with cross-validation, striking a balance between model performance and runtime efficiency.
- Utilized tools like VS Code, Google Colab, and Jupyter Notebook for seamless project execution, enabling efficient implementation and evaluation of machine learning algorithms.
- Skills Utilized: Python programming, Machine Learning, Problem-solving.

## ACHIEVEMENTS

### 1st Position- Data Digest

1st place in the Data Digest competition during the annual technical fest "Ebullience-23" held at Noida Institute of Engineering and Technology, Greater Noida, Uttar Pradesh.

## CERTIFICATES

Basic Data Descriptors, Statistical Distributions, and Application to business Decisions - Rice University

Introduction to NoSQL Database - IBM

Machine Learning Foundation: A Case Study - University of Washington

Building AI Powered Chatbots - IBM

## WORK EXPERIENCE

### Machine Learning Intern

YBI Foundation

08/2022 - 09/2022

Achievements/Tasks

- Developed a machine learning prediction model for Credit Card Fraud Detection, preventing unauthorized charges and ensuring consumer protection.
- Achieved an impressive R2 Score of 98.96% for Diamond Price Prediction, optimizing the Random Forest Regression model using grid search and considering performance trade-offs.
- Proficiently utilized tools like VS Code, Google Colab, and Jupyter Notebook for efficient implementation and evaluation of machine learning tasks.
- Demonstrated expertise in Python programming, Machine Learning, and problem-solving, delivering valuable insights and impactful solutions.

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

## INTERESTS

Interactive Design and User Experience Optimization.

Analytical Troubleshooting and Innovative Solutions.

Agile Skill Development and Cutting-Edge Technology Adoption.