ANKIT GOYAL

Gender: Male/Female
Course: M.Sc. in Statistics
Banaras Hindu University

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Summary/Objective:

A young Mathematics Lecturer aspirant with analytical mind and possessing the ability to explain difficult mathematical and statistical concepts in easy innovative and practical ways. Open to learn as many dimensions as possible. Working toward sself-growth and growth of society as well. Interested in applying my statistical knowledge for the general well- being. I have good proficiency in English and Hindi language.

Educational Qualification:

Degree/Examination	Year of Passing	Institute Name	Percentage/CGPA
M.Sc. Statistics	2023*	Institute of Science, Banaras Hindu University	9.16 SGPA
B.Sc. Mathematical Sciences	2021	Maharaja Agrasen College , Delhi University	9.455 CGPA
12th	2018	Indira Ideal Senior Secondary School (CBSE BOARD)	92%
10th	2016	Indira Ideal Senior Secondary School (CBSE BOARD)	84%

Projects/Internships:

1. **Laptop Price Prediction Project Using Regression Analysis**   Aug-Sept'22
- Used laptop dataset available on Kaggle website
- Used **Python** for **data cleaning** and created various **important features** for prediction
- Performed **EDA** and **Feature Engineering** to gather insights and prepare the data for further prediction
- Applied models such as **Linear Regression, Ridge Regression and Lasso** to predict price of laptops
- Compared model performances using **certain matrices** and managed to get a **r2_score** of about **88%**

2. **Rainfall prediction**   **Oct '22**
- **Performed EDA to** understand the relationship between variables and data pre-processing to check whether the data have **missing values, outliers** or not.
- Used models such as **Logistic Regression, KNN, Random Forest Classifier** to predict on the basis of numerous weather observations for 49 locations across Australia **whether it will rain tomorrow or not**
- Calculated **confusion metrics** to summarise and evaluate model performance using precision, recall and f1 score

Areas of Interest:

- Linear Algebra
- Applications of Derivative and Integrals
- Probability
- Relations and Functions
- Differential equations
- Linear Programming Problems
- Descriptive and Applied Statistics
- Calculus
- Regression Analysis
- Statistical Inference
- Data Analysis

Relevant Courses:

Academic	Linear Algebra, Real Analysis, Differential equations, Calculus, Sampling survey, Probability, Regression, Hypothesis Testing, Design of Experiment, Applied Statistics, Operations Research, Geometry
Online	1) Corporate Finance 2) Principles of Human Resource Management

Key Skills:

Languages: *Software/Tools:*

R   (BASIC)   • Python (BASIC)   MS-Excel   • MS-PowerPoint

Activities:

- **Head Coordinator of Sankhyik committee,** Department of Statistics, Banaras Hindu University (2022-23)
- + Have a lively interest in Anchoring, Singing and Poetry and have been performing on stage since high school
- **+. President of Department of Mathematics Maharaja Agrasen College , University of Delhi (2020-21)**

- **+. General secretary of Department of Mathematics Maharaja Agrasen College, University of Delhi (2019-20)**