Kamesh Dubey

Applied Statistics and Informatics

Indian Institute of Technology Bombay

Gender: Male
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Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2024	6.37
Graduation	Gurukul Kangri University	Gurukul Kangri University	2021	8.63

ACADEMIC ACHIEVEMENTS

- Secured **All India Rank 50** in Mathematical Statistics, IIT JAM 2022 among 2912 candidates organised by IITR — [2022]
- Secured **9.00+ CGPA** in a row 3 semesters of Bachelor of Science Secured in Gurukul Kangri University — [2021]
- Received **LIC HFL Vidyadhan Scholarship** for Graduation from Buddy4study portal — [2020]
- Bagged **1st position** among 120 students in 3rd semester of Bachelor of Science in Gurukul Kangri University — [2019]

PROJECTS

Cab Cancellation Prediction: Classification – Self Project — [2022]

- Leveraged advanced exploratory data analysis techniques, visualization, and statistical analysis to extract meaningful insights
- Handled missing values, implemented features engineering, and balanced the dataset using under-sampling and **SMOTE**
- Performed a comprehensive evaluation of multiple classification algorithms, including Logistic Regression, KNN, Ensemble Techniques like **Bagging, Random Forest, and Boosting** and selected the algorithm based on performance metric on dataset
- Tuned hyper-parameters of AdaBoost algorithm and achieved **accuracy score of 0.927** with **ROC-AUC score of 0.81**

Bike Rentals Prediction: Multiple Linear Regression – Self-Project — [2022]

- Performed Exploratory Data Analysis and Data Pre-processing using **One Hot Encoding** and Feature Scaling to normalize
- Checked assumptions of Linearity, Multicollinearity, Normality, Autocorrelation, and Homoscedasticity using the **Rainbow test, Q-Q plot, VIF, Residual vs. Fitted plot, Durbin Watson test,** etc., and applied the model by test dataset
- Validated the Model using Cross-validation technique on the training data achieved **adjusted R^2 = 0.799** on test data

Exploratory Data Analytics on Zomato Restaurants Dataset — [2021]

Guide – Prof. Shwetank Arya | Gurukul Kangri Deemed to be University, Haridwar

- Analyzed features in the dataset with 211943 data points and 25 features using **pandas** to get relevant features for EDA
- Performed Exploratory Data Analysis using **Data Visualization Techniques** such as Bar plot, Histogram and Scatterplot
- Found relationship between price range and rating in plot evaluated the **correlation coefficient** of **0.25** between them

TECHNICAL SKILLS

Programming Languages: Python, R **DBMS:** SQL	**Libraries:** Pandas, NumPy, Matplotlib, scikit-learn **Software**: Tableau, Microsoft Excel, Microsoft Word

ONLINE COURSES

- Supervised Machine Learning: Regression and Classification – Coursera — [Ongoing]
- SQL for Data Science University of California, Davis – Coursera — [Ongoing]
- Intermediate SQL – Datacamp — [2022]
- Data Collection and Procession with Python by University of Michigan – Coursera — [2020]
- Python Basics by University of Michigan – Coursera — [2019]

KEY COURSES

Probability Theory	Linear Algebra	Introduction to Data Analysis with R
Differential Calculus	Real Analysis	Machine Learning: Principal and Techniques

POSITION OF RESPONSIBILIES

Events and PR Coordinator – E-Cell, IIT Bombay — [Nov 2022 – Feb 2023]

*Asia's leading entrepreneurship promoting student body with patronages from **UNESCO***

- Ideated and executing **Seed-Star Events** for enable 25 selected startups to pitch their idea to the Investors onboarded
- Onboarded 20+ **outreach partners** for promoting E-Summit 2023 on their social media and among their customers
- Actively worked with corporate relation team inviting founder or executives of the top start-ups for speaker session

Junior Coordinator – Coding Club, Gurukul Kangri University — [Nov 2018 - Mar 2020]

- Promoted workshops and event organised by the coding club with team of 4 other Junior Coordinator in and outside campus
- Assisted senior member of the club in the planning and execution of the events and workshops regularly around the year

House Captain – Shivaji House, Angels' Academy Sr. Sec School — [Apr 2015 - Mar 2016]

- Coordinated with student council of 27 members and teachers in execution of activities and competition in school
- Fostered and ensured enthusiastic engagement and involvement of Shivaji House students in all events and competitions

EXTRA-CURRICULAR ACTIVITIES

- Awarded Excellent Position in Bhartiya Sanskriti Gyaan Pariksha organised by Shanti Kunj, Haridwar
- Represented Shivaji House in Kabaddi in Interhouse Sports Competition on Annual Sports Event
- Bagged 1st position in Mathematics Olympiad organised in Angels' Academy Senior Secondary School