Rakshit Singh

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SUMMARY

A fast learner with strong time management and multi-tasking skills. Strong work ethic in a team or individual settings to drive product success and process efficiency. Problem-solving skills with an analytical mindset.

EDUCATION

National Institute of Technology-Karnataka — -/10.0
Masters of Technology in Computer Science - Information security — *Sept. 2021 – Present*

Netaji Subhas Institute of Technology, Delhi — 7.04/10.0
Bachelors of Technology in Information Technology — *Aug. 2016 – June 2020*

Vivekananda Public School, Delhi — 80.8/100.0
Higher Secondary Certificate (10+2) — *May, 2015*

Maharaja Agarsain Public School, Ghaziabad — 8.6/10.0
Secondary School Certificate (10) — *May 2013*

PROJECTS

Analysis of SMOTE: Modified for Diverse Imbalanced Datasets Under the IoT Environment.
(Under the guidance of Dr Ankita Bansal, Assistant Professor, IT Department, NSIT.)
- Published in the International Journal of Information Retrieval Research (IJIRR).
- Studying and dealing with the imbalanced data and using different balancing techniques, such as oversampling, undersampling, to overcome this problem.
- Implemented oversampling techniques: SMOTE-M and ADYSYN, using machine learning.
- Link to the article.

Amenities Quantification using hotel datawarehouse.
- Compared various hotels reviews by different customers using tokenization method and overall rating of the hotel based on amenities.

Data wrangling and visualisation.
- Perform an exploratory data analysis of the Ford GOBIKE dataset using Python. Then, create a presentation with explanatory plots that conveys your findings.

Heart Disease Prediction.
- Predicted whether a patient should be diagnosed with Heart Disease or not using various supervised learning algorithms like KNN, Decision Tree, Random Forests, etc.

CERTIFICATIONS

Data Analyst Nanodegree Program | *Udacity* — Sept 2020
- Click to See Credential.

Crash Course on Python by Google | *Google—Coursera* — Aug 2020
- Click to See Credential.

Understanding and Visualizing Data with Python | *Coursera* — Aug 2020
- Click to See Credential.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, HTML/CSS
Developer Tools: Git, Spyder, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib
Subjects of Interest: Object-Oriented Programming, Operating System, Algorithms, DBMS.