AMITESH KUMAR SINGH

Data Science and Analytics

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https://github.com/Amitesh7668

SUMMARY

Dedicated Data Science student skilled in **machine learning, natural language processing, and data analysis**. Successful projects in **predictive modeling, NLP, and exploratory analysis**. Passionate about leveraging data for impactful insights. **Open to collaboration and new opportunities**.

EDUCATION

Reva University

Bachelor of Technology Computer Science & Engineering **2021 - 2025**

Galgotias University

Diploma Computer Science & Engineering
2019 - 2021

SKILLS

- **Programming Languages: Python, R**
- **Machine Learning: scikit-learn, XGBoost**
- **Deep Learning: TensorFlow**
- **Natural Language Processing: NLTK**
- **Web Development: Flask, HTML , CSS**
- **Data Analysis: Pandas , NumPY**
- **Data Visualization: Seaborn, Matplotlib, Plotly**
- **Database Management: MySQL**
- **Version Control: Git**
- **Other Tools: Pygame, Folium**

CERTIFICATIONS

Python for Data Science
IBM
- **Issued Aug 2023**

Data Analysis Using Python
IBM
- **Issued Sep 2023**

https://www.credly.com/users/amitesh-kumar-singh.4118fbdb

PROJECTS EXPERIENCE

Finding Donors for CharityML

https://github.com/Amitesh7668/Data-Science-Portfolio/blob/main/finding_donors/ finding_donors.ipynb

- Utilized **supervised learning algorithms** to predict potential donors for a non-profit organization.
- Tested and evaluated various algorithms to identify individuals likely to donate
- Demonstrated ability to analyze and interpret data to support fundraising efforts

Disaster Message Classifier

https://github.com/Amitesh7668/Disaster-Message-Classifier

- Developed a multilabel classification model to predict categories of a disaster message.
- Included **ETL pipeline** for data processing, **ML** pipeline for training the model, and a **web app** for message classification.

Digit Sequence Recognition using CNNs

https://github.com/Amitesh7668/Data-Science-Portfolio/blob/main/digit_recognition-mnist-sequence.ipynb

- Designed and implemented a Convolutional **Neural Network** for recognizing sequences of digits.
- Used synthetic **data generated** by concatenating images from MNIST.

Predicting Boston Housing Prices

https://github.com/Amitesh7668/Data-Science-Portfolio/blob/main/boston_housing/boston_housing.ipynb

- Developed a model to predict house values in the Boston real estate market using **statistical analysis tools**.
- Identified the optimal price for a client to sell their house utilizing **machine learning**.