

# 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

1. Python for Data Science | IBM | Aug 2023
2. Data Analysis Using Python | IBM | Sep 2023

- **Certification Badges on Credly**

<https://www.credly.com/users/amitesh-kumar-singh.4118fbd>

## PROJECTS EXPERIENCE

### Finding Donors for CharityML

[https://github.com/Amitesh7668/Data-Science-Portfolio/blob/main/finding\\_donors/finding\\_donors.ipynb](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-Classifer>

- Engineered a multilabel classification model for predicting categories of disaster messages.
- Implemented an **ETL pipeline** for data processing and an **ML pipeline** for model training.
- Created a **web app** for interactive message classification.

### Digit Sequence Recognition using CNNs

[https://github.com/Amitesh7668/Data-Science-Portfolio/blob/main/digit\\_recognition-mnist-sequence.ipynb](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.
- Utilized synthetic data generated by concatenating images from MNIST.
- Achieved high accuracy in digit recognition through rigorous **model optimization**.

### Predicting Boston Housing Prices

[https://github.com/Amitesh7668/Data-Science-Portfolio/blob/main/boston\\_housing/boston\\_housing.ipynb](https://github.com/Amitesh7668/Data-Science-Portfolio/blob/main/boston_housing/boston_housing.ipynb)

- Developed a comprehensive model to predict house values in the Boston real estate market.
- Conducted **statistical analysis** to identify optimal pricing strategies.
- Delivered valuable insights to clients for informed decision-making.