Siddhant Rawat
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ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
Sep, 2020 - Jun, 2024	B.TECH in Computer Science	Graphic Era University Dehradun	8.5/10
2019	C.B.S.E	Doon International School, Dehradun	82.00 %
2017	C.B.S.E	Doon International School, Dehradun	10/10

Certifications

- **Internshala** (Oct 2022 - Nov 2022)
  Exploratory Data Analysis And Machine Learning, Internshala Trainings, Online
- **Microsoft Azure Fundamentals** (Dec 2021)
  Proving knowledge of cloud computing concepts, models, and services, such as public, private, and hybrid cloud, in addition to infrastructure as a service (IaaS),platform as a service (PaaS), and software as a service (SaaS).
- **AWS Certified Solutions Architect - Associate** (May 2023)
  AWS Certified Solutions Architect - Associate showcases knowledge and skills in AWS technology, across a wide range of AWS services.
- **TensorFlow Developer Certificate** (September 2023)
  TensorFlow showcases the knowledge and skills to solve deep learning and ML problems.

PROJECTS

- **Text Detection(Human vs AI)** (Nov, 2023 - Dec, 2023)
  To create a machine detection model which can differentiate human generated text from machine generated text. The model is also capable of classifying different types of text generating models like ChatGPT, Dolly-v2, DaVinci, Bloom and Cohere. To achieve this TF-IDF vectorizer was used.It's based on the idea that words that appear more often in a document are more relevant to the document. It was also found that Extra Trees classifier gave the most satisfying results (94% accuracy).
- **Emotion Detection** (Jun, 2023 - July, 2023)
  To create a machine detection model which can detect human emotions and classify them. The aim of this project is to design a network that is capable of classifying the emotions, and then use Opencv for the detection of the faces and then pass it for prediction.
- **Hate Speech Detection** (Dec,2022-Jan,2023)
  To study the best performing model for predicting the hate speech in tweets made on X(previously Twitter). For this project Decision Trees which gave close to 87.55% accuracy, Logistic Regression which provided 89.68% accuracy and Support Vector Machine model which provided me with 90.05% accuracy.
- **Credit Risk Prediction** (Jan, 2021 - Feb, 2021)
  To create a model for small money lenders which helps them classify which of the applicants are most likely to pay back loan and which are not. The analysis showed which factors affect the outcome most and which are useless. For this project an accuracy of 83.33% was achieved with the help of Support Vector Machine model.

TECHNICAL SKILLS

- **Python** (proficient), **C** (proficient), **C++** (proficient), **DBMS**, **HTML**, **SQL**, **Java**.
- **Tools and Frameworks** AWS(Amazon Web Services,Tableau,MS-Excel.
- **Machine Learning Tools** Tensorflow, Keras, scikit-learn, NumPy, Pandas.