

Rahul Gupta

Machine learning Enthusiast

A Student with excellent problem solving skills and ability to perform well in a team. Passionate about machine learning and can learn fast with proper guidance.

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EDUCATION

B.tech Computer Science and Engineering

MIT School of Engineering

08/2019 - Present

7.8 CGPA

Higher Secondary Certificate (HSC)

Terna Vidyalaya Junior College

08/2017 - 08/2019

PERSONAL PROJECTS

Car Damage Detection

- <https://github.com/RahulGupta77/Car-damage-detection>
- Built a custom object detection model
- Labelled my own dataset into 5 classes
- Performed transfer learning

Image Caption Generator

- <https://github.com/RahulGupta77/Image-Caption-Generator>
- Preprocessed 2-d images and text data
- Used Densenet201 model to extract image features
- Combined CNNs with LSTM model to train 8k images with 40K captions

Movie Recommender System

- <https://github.com/RahulGupta77/Movie-Recommender-System>
- Performed Content based filtering
- Applied cosine similarity technique to find out co-relations between the movies
- Used The Movie Dataset (TMDb) API to fetch movie posters

WORK EXPERIENCE

Intern

Anytime Anywhere Healthtech

07/2022 - 10/2022

Pune, India

A startup focusing on creating smart diagnostics tools powered by Artificial Intelligence for Radiologists

Achievements/Tasks

- Created a machine learning pipeline for 3-d image captioning.
- Built a combined CNN and Transformers model, consisting Encoder, Attention and Decoder mechanisms.
- Worked on ~1.6M Dicom (medical) images of CT Scans.

SKILLS

TensorFlow

OpenCV

Scikit-Learn

NLTK

Keras

Matplotlib

Numpy

Pandas

Git

SQL

Data structures & Algorithms

Streamlit

ACHIEVEMENTS

JLPT N5

Passed Japanese-Language Proficiency Test N5 level

CERTIFICATES

AWS Academy Machine Learning

[link](#)

AWS Academy Cloud Computing

[link](#)

Neural Networks and Deep Learning

[link](#)

LANGUAGES

Python

Full Professional Proficiency

C++

Professional Working Proficiency

C

Professional Working Proficiency

SQL

Professional Working Proficiency

INTERESTS

Computer Vision

Natural Language Processing

Deep Learning