

Harshul Nanda

Machine Learning Engineer

As a highly motivated individual with a strong passion for technology and continuous learning, I thrive on challenges and view them as opportunities to expand my knowledge and enhance my skills in the field of computer science. With a track record of successfully completing more than 20 projects using a variety of programming languages and frameworks, I am confident in my ability to tackle complex problems and deliver high-quality results.

Education

2019 Senior Secondary, Central Board of Secondary Education, 91.20% (Boards Examination).

2021 Secondary, Central Board of Secondary Education, 90.20% (Boards Examination).

2021- Information Technology and
Present Mathematical Innovation, Cluster
Innovation Centre, University of Delhi,
9.06 CGPA.

Qualifications

2021 Qualified DUET with All India Rank 22.

2021 Qualified JEE Mains with All India Rank 44691, a total of 2.2 million students appeared this year

Personal Portfolio Website Youtube Channel

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Certifications

2020 Python Certification, Hackerrank

2021 LaTex, Geo University Certification Course

2022 JavaScript Certification, Hackerrank

2022 Data Structures & Algorithms, AlgoExpert

2022 Coursera Guided Projects in Machine Learning, GitHub

Work Experience

2022 Algorithms Content Writer Intern, OpenGenus Foundation.

2 months Published algorithm and data structure articles with practical

Published algorithm and data structure articles with practical implementation, demonstrating diverse methods and

mathematical skills

2022 Machine Learning Intern, Beyond Exams.

5 months Developed machine learning models for binary classification of

YouTube videos as educational or noneducational.

2023 Software Engineer, Paras Labs.

3 months Worked on a variety of projects and gained hands-on experience

in developing high-quality mobile applications for iOS devices.

2023 Machine Learning Engineer, Havells India Ltd.

2 months Practiced Time Series Forecasting using various Statistical

models and frameworks.

Projects

2022 YouTube Video Analytics and Categorisation Platform, 3 months HARM Bot.

Created a web app with Streamlit to display YouTube video details, analytics, and channel stats. Used TensorFlow Keras for text classification on video titles and descriptions to predict categories. Integrated a binary image classification model to categorize thumbnails and classify them into subcategories

based on Beyond Exams.

2023 Crime Prediction in Conversations, Text Classification

3 months Comparisons

Developed and evaluated text classification models to identify conversations leading to crime using Multinomial Naive Bayes, RNNs, CNNs, and pre-trained models like BERT and RoBERTa. Fine-tuned the best-performing model for high accuracy and contributed to public safety and natural language processing research.

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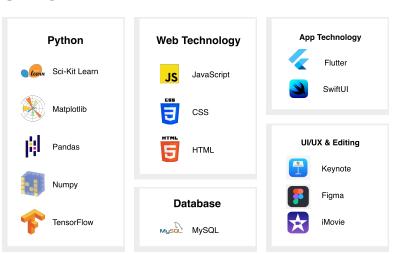
2023 Custom Loss Function Analysis, Mnist-GAN.

1 month Researched and analysed the results of Digits 0

Researched and analysed the results of Digits Generator GAN model architecture trained on the MNIST dataset with different customizations in loss function of a GAN model as proposed in

the original paper.

Skills



- Solved 137 LeetCode problems.
- CodeWars rating 3 kyu.
- · Solved 179 LintCode problems.