Hritwij Kamble

B.Tech — Electronics and Communication Engineering - IIT, Dhanbad

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PROJECTS

Movie Recommendation App
- Built a movie recommendation app using NLP to suggest personalized movies from a 5000-movie TMDB dataset with utilization of content-based filtering for recommendation generation.
- Designed an interactive and visually appealing frontend using Streamlit, offering intuitive user experience.
- Employed TMDB API to fetch movie Posters and information.
- Tech: Python, SKlearn, Text Vectorizer, Streamlit, TMDB API.

Link - Movie Recommendation App

Face Mask Detection for Covid-19 Safety
- Developed a highly accurate Haar Cascade Classifier-based deep learning model to detect face masks in public photographs, contributing to COVID-19 safety measures.
- Implemented a Haar Cascade Classifier-based deep learning model to detect the presence of face masks on individuals in photographs.
- Achieved an exceptional accuracy rate of 98.75%, ensuring reliable and precise mask detection.
- Tech : Haar Cascade Classifier, Python libraries.

Link - Face Mask detection

Machine Failure Classification
- Developed a robust machine failure classification model to predict whether a machine, given its current condition, will either continue to work or experience a failure. This project was designed around a Kaggle competition, utilizing a provided dataset
- Achieved an impressive ROC AUC score of 91%, showcasing the model's accuracy in predicting machine failures
- Tech : Machine Learning, Data Preprocessing, Python libraries.

Link - Machine Failure Classification

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — *B. Tech*
Electronics and Communication Engineering
DEC 2020 - JUN 2024

Nanasaheb Mahadik Jr. College of Science, Peth
12th - APRIL 2018 - APRIL 2019 - 75%

Chhatrapati Sambhaji Vidyalaya, Shivnagar
10th - APRIL 2016 - APRIL 2017 – 91.20%

SKILLS

Machine Learning, Deep Learning, Python, Data Analysis, NLP, CNN, EDA, Web Scraping, SKlearn, Matplotlib, Seaborn, Computer Vision, Keras, TensorFlow, Tableau, Statistics, SQL, Microsoft Excel, JupyterLab.

ACHIEVEMENTS and EXTRACURRICULARS
- **5 Stars in Hackerrank in Python language**
- **Winner** in Sports General Championship 2021-22 in 800 meter race.
- **AIR 4692** in JEE (Advanced) 2020
- Member of **LITM (Legends In The Making)**- The Official Dance society of IIT (ISM) Dhanbad

POSITIONS OF RESPONSIBILITY
- **Promotion Team Member– Kryptoes 2k22-The solo Dance pace-off for freshers.**
- **Management Team Member** of LITM (Legends In The Making) the Official Dance society of IIT (ISM) Dhanbad.
- Core Member of **Book Club**

Certificates and Courses here
- **Machine Learning Internship** Course by Pantech Solution *(June'23 – July'23J)*.
- **Data Analytics Internship** Course by Pantech Solution *(June'23 – July'23J)*.
- **Deep Learning** by Kaggle
- **Computer Vision** by Kaggle