Eishhkaran Singh

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Dedicated Data Scientist with hands-on experience in data analysis, machine learning, and programming. Skilled in using various tools and technologies to extract valuable insights from complex data sets.

Education

Thapar Institute of Engineering and Technology	Patiala
BTech Computer Engineering	September 2021 - Present
Indian Institute of Technology	Madras
Bs Data Science and Applications	January 2022 - Present

Experience

Thapar Institute of Engineering and Technology — June 2023 - Present

Research Intern under prof(Dr.) Sachin Kansal
- Developed an efficient pipeline for extracting frames from video data, utilising advanced image processing techniques, parallel processing, and error handling.
- Optimised the pipeline's performance, enabling swift extraction of frames from large-scale video datasets while ensuring accuracy and data integrity.

Thapar Institute of Engineering and Technology — June 2023

Guest Lecturer
- Invited as guest of honour to deliver the lecture in Thapar summer School of Machine learning and deep Learning and delivered 3 lectures on Image Processing

Projects/Achievements

PixelMind AI — May 2023
https://www.linkedin.com/feed/update/urn:li:activity:7069568789318635520/
- Paradox'23 organised by Indian Institute of Technology Madras domain of Image enhancement
- Bagged 2nd Position and won a cash Prize of 50K amongst various working professionals

Kaggle 2X- Expert — June 2023
https://www.kaggle.com/eishkaran
- On my Kaggle Profile , I have demonstrated my ability to analyse datasets and create effective solutions. My notebooks have been recognised with bronze medals.I have been awarded with 16 bronze medals till now
- By leveraging my skills in exploratory data analysis and algorithm tutorials. I have established myself as a 2x-Kaggle expert and I am committed to continuing to hone my skills in this field
- BirdCLEF 2023 (Organised by Cornell Lab of Ornithology on Kaggle Platform) Got a rank of 169 out of 1189 teams participating all across the globe and was in top 15% in which I predicted the sounds of the birds using the PyTorch and applied various DL algorithms

CycleGan — June 2023
https://github.com/EISHKARAN/CycleGan
- Utilising my expertise in PyTorch and TensorFlow, I made and implemented a robust CycleGAN solution for generating high-quality Monet-style images from ordinary photographs and ranked 19th out of 39 teams

Stock Prices Prediction — June 2023
https://github.com/EISHKARAN/Stock-Prediction-using-LSTM
- I undertook a comprehensive project leveraging Yahoo Finance's time series dataset, wherein I applied advanced techniques to predict the Close prices of diverse stocks.
- Through meticulous data processing, feature engineering, and model optimisation, I built robust predictive models, providing valuable insights

Blogs — April 2023
https://medium.com/@eishkaransingh
- I have authored concise and insightful technical blog posts on machine learning and statistics for data science, fostering knowledge sharing and intellectual growth within the community.

Skills

Programming Languages:	Python, C++ ,C
Database Management Systems:	MySQL , Oracle
Web Development:	HTML , CSS, JavaScript
Libraries / Frameworks:	Pandas, Numpy, Seaborn, matploblib, Plotly, XGBoost, scikit-learn, OpenCv
MACHINE LEARNING:	Regression, Classification, Clustering, Neural Networks, Deep Learning
Soft Skills:	Public Speaking, Leadership

MISCELLANEOUS

Career Certificates	Jan 2023
Python, MySQL, Pandas, Supervised Machine Learning	
Silver Zone Olympiad	September 2020
International Informatics Olympiad	