Sharad Mishra

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EXPERIENCE

QUANTIPHI Aug. 2020 – Oct. 2020
Machine Learning Engineer Work From Home

- Had opportunity to work on **semantic segmentation problem** using **U-Net** & **Mask R-CNN** architectures to determine the region of the different diseases by looking at the input 3D medical images.
- Technology used: **TensorFlow, OpenCV, Augmentor, TensorBoard, scikit-learn**

GREYATOM SCHOOL OF DATA SCIENCE May 2019 – June 2019
Data Science Intern Mumbai, India

- Performed image data retrieval, preprocessing & training of an image classifier on a **fashion apparel csv dataset** containing more than **10 lacs rows**. The primary utilized architectures included **ResNet50** and **VGG-16**.
- Technology used: **Python, Keras, CNN, Pre-trained networks, Pandas, NumPy**

PROFESSIONAL GAP Jan. 2021 – May 2023
Pursued the civil services examination Varanasi, India

PROJECTS

NLP Projects | *Link 1, Link 2*

- Utilized ML **advanced feature engineering techniques** like **fuzzy features** & developed a model for the classification of question pairs within the **Quora dataset to filter out duplicate pairs**. Ensemble learning methods like **XGBoost** & **Random Forest** were used.
- Employing a pre-trained model available in **Hugging Face Transformers**, an **English to Hindi language Translater** model was built to cater to custom datasets/usecases.

Computer Vision Projects | *Link 1, Link 2*

- From inception to deployment,incorporating robust **MLOPS practices** and **DVC pipeline**, implemented an **end to end image classification** project & then deployed it on **AWS**.
- Created a **custom YOLOv3 architecture** from scratch and then using advanced techniques of **anchor boxes** and **non-max suppression**, accurately predicted **bounding boxes** for different objects in an image.

EDUCATION

ABV-Indian Institute of Information Technology and Management July 2015 – May 2020
Integrated BTech. + MTech. in Information Technology Gwalior, India

- **CGPA**: 7.17%

Central Hindu School May 2012 – July 2014
Secondary and Higher Secondary Varanasi, India

- **Class XII**: 91.8%
- **Class X**: 10.0 CGPA

SKILLS

Machine Leaning : Feature Engineering, Supervised & Unsupervised Learning Algorithms.

Deep Leaning : CNN, Transfer Learning, LSTM, Encoder-Decoder Architecture, Transformers, **Language Models**.

Development tools : Python, **PowerBI, SQL**, NumPy, Pandas, Sklearn, nltk, Docker, TensorFlow, **Hugging Face Transformers, BERT & LangChain**.