# Sharad Mishra

sharadkrishna510@gmail.com
(+91) 7987735173

## EDUCATION

### ABV-INDIAN INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT
Integrated (B.Tech+M.Tech) in Information Technology
2015-2020 |CGPA 7.17

### CENTRAL HINDU SCHOOL
Varanasi,U.P.
Class XII:91.8 | 2012-14
Class X:10.0 CGPA | 2010-12

### INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Master of Political Science
2023 onwards

## LINKS

LinkedIn:// **sharadmishra**
Github:// **sharundra**

## SKILLS

### MACHINE LEARNING
Data preprocessing & Feature Engineering
Supervised & Unsupervised Learning
Algorithms
Artificial Neural Networks
Reinforcement Learning

### DEEP LEARNING
CNN, RNN, LSTM networks
GAN, Transformer & SeqGAN networks
CV : Image recognition,
Object detection
NLP : Machine Translation,
Text classification

### LIBRARY, FRAMEWORKS & LANGUAGES
Python | C/C++ | Java
NumPy, Pandas, Scikit-learn & OpenCv
TensorFlow & Keras

### APPLIED MATHS
Linear Algebra
Calculus
Statistics & Probability
Information Theory
Differential Equations

## WORK EXPERIENCE

### MACHINE LEARNING ENGINEER AT QUANTIPHI
Aug 2020 - Oct 2020
- Had opportunity to work on semantic segmentation problem to determine the region of the different diseases by looking at the 3D medical image provided.
- Employed models such as U-Net and Mask R-CNN & Python and popular machine learning frameworks like TensorFlow to implement and fine-tune these models.

### INTERN AT GREYATOM SCHOOL OF DATA SCIENCE
May 2019 - June 2019
- Image data retrieval and preprocessing was performed on a fashion apparel csv dataset which contained more than 10 lac rows.
- An image classification problem was solved through transfer learning on ResNet50 architecture and then similar image retrieval problem was solved through the concept of autoencoders.

### PROFESSIONAL GAP
Jan 2021 - May 2023
- Pursued the civil services examination

## PERSONAL PROJECT

### END TO END IMPLEMENTATION OF IMAGE CLASSIFICATION DL PROJECT WITH CLOUD DEPLOYMENTS  (Sept 2023)
- From inception to deployment,incorporated robust MLOPS practices.
- Implemented a planned workflow, including writing template code, managing dependencies, setting up logging and implementation of components of data ingestion, base model, callbacks, model trainer and evaluation.
- Utilized DVC to manage configurations, data ingestion, model training, and deployments.

### OBJECT DETECTION WITH CUSTOM ARCHITECTURE OF YOLOV3 AND WITH CUSTOM DATASET ON YOLOV4  (Aug 2023)
- 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.
- Darknet framework based YOLOv4 model was trained on a custom dataset of annotated images to predict different objects in an image.

## EXTRA-CURRICULARS

### AURORA 2018(ANNUAL TECHNO-CULTURAL-MANAGERIAL FEST OF IIITM)  | Co-ordinator
Dec 2017-Feb 2018
### TEDXABVIIITMG 2018  | Curator
Aug 2017
managed itinerary of distinguished speakers
### UTHHAN IIITM  | Co-ordinator
Aug 2018-June 2020
managed the media club of IIITM.
### PUBLIC SPEAKING  | personal interest
have spoken at length at various distinguished stages