

Shivam Jindal

Passionate, Spearheaded, Ignited

CONTACT DETAILS:

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Degree/Grade	Institution	Score
BTech CSE	AKGEC(AKTU) -Ghaziabad	7.7 sgpa (2018-2022)
Senior Secondary (CBSE)	Ingraham English Medium School - Ghaziabad	84.8% (2018)
High School (CBSE)	Ingraham English medium school - Ghaziabad	91.2%(2016)

EXPERIENCE

- Appointed as a ML Research Fellow @ [IIT Roorkee](#). (June-2022 to Dec-2022)
 - Worked on solutions to the problems being faced by **NIC** (National Informatics Centre GOI)
 - Worked on **Document Processing** project where various **government documents** were provided as datasets and I developed an **end-to-end** system to categorize them based on departments and languages
 - Developed inhouse **Language translation** algorithm for Indian Languages.
 - Developed Hindi to English and English to Hindi **transliteration** and Script Detection.
- ML Intern position @ [IGP](#) (Feb-2022 to June-2022)
 - Worked on recommendation engine pipeline.
 - Developed inhouse **NLP** algorithms for e-commerce use cases.
 - Developed Image Recognition pipeline for e-commerce.
 - Researched & worked to implement **latest recommender** algorithms.
 - **Debugged** and modified python scripts.
- DATA SCIENCE TRAINING: completed data science training program from internshala mentored by Mr. Kunal Jain founder Analytics Vidhya.
- Certified in 'Machine learning with Python' by 365DataScience.

PROJECTS

- [CUSTOM TOKENIZER FOR LOW RESOURCE LANGUAGE](#): building custom tokenizer for low resource language using **transformer**.
- [DL MODELS APPLIED FROM SCRATCH USING PYTORCH](#): A curated repository for applying various ML, DL models from scratch using **PyTorch**
- [UNIVERSAL OBJECT DETECTION OpenCV](#): passing desired input images with desired input labels and use them for detection using **YOLO**. [Git app model](#) provided by Tzutalin is used for labelling the data according to our preferences.
- [KNEE BENT VIDEO PROCESSING\(POSE ESTIMATION\)](#): detecting movement (knee bent) from the video/live cam and counting reps as well as classifying the current state (bent/straight) using **OpenCV** and **mediapipe**.

SKILLS&TECHNOLOGIES

- [Python](#) , C#
- Algorithms(ML,DL)
- Mathematics, Linear algebra
- Statistic ,Probability, [Data Analysis](#)
- Machine Learning, Deep Learning, NLP, Computer Vision, Reinforcement learning
- Transformers
- Machine translation/transliteration
- OCR,3D Computer Vision
- 3D modelling(blender)
- OpenCV, Pytorch, Pytorch3D, Tensorflow.
- OpenAI gym
- Image Segmentation, processing and recognition.
- [GeoSpatial Analysis](#)
- [TimeSeries Analysis/Forecasting](#)
- Solidity Contract,Blockchain
- Version/Env. Control(git)
- AWS
- AR, VR application development(Unity)
- Deployment(Flask/Stream Lit), APIs

LEADERSHIP AND ACHIEVEMENTS

- Selected as the **Youngest** research fellow @ IITR.
- Rank **112** in Analytics Vidhya [forecasting](#) Hackathon 2022.
- **5** star on hackerank
- Top **500** in Microsoft ML challenge(2020)
- Top **1%** innate reasoning ability in UPRAISED ESAT 2021.
- Participated in Scrolls 2019 paper presentation
- **First** rank school science olympiad 2016/ Third rank school math olympiad 2016
- **Volunteered** in events organized by GADW NGO.
- **Helped** thousands by creating a covid19 resources page on IG (@ghaziabadresources)