Everything with an underline represents a link.
Everything in orange color is a keyword/highlight

# Shivam Jindal

Passionate, Spearheaded, Ignited


CONTACT DETAILS:
**Ghaziabad, U.P., INDIA**
**+917011793678 shivamjindal0705@gmail.com**
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
- OpenCV, Pytorch,Tensorflow, Pytorch3D,Open3D,
- OCR,3D Computer Vision
- Image Segmentation, processing and recognition.
- Machine translation/ transliteration
- 3D modelling
- OpenAI gym
- GeoSpatial Analysis
- TimeSeries Analysis/Forecasting
- Solidity Contract,Blockchain
- Version/Env. Control(git)
- 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)