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.
- Data Science Intern position @IGP (Feb-2022 to June-2022)
  - Worked on recommendation engine pipeline.
  - Developed inhouse NLP algorithms for e-commerce use cases.
  - Developed Complete 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

- TRANSFORMER FROM SCRATCH USING TENSORFLOW
- CUSTOM TOKENIZER FOR LOW RESOURCE LANGUAGE: building custom tokenizer for low resource language like hindi using transformer.
- DL MODELS APPLIED FROM SCRATCH USING PYTORCH:A curated repository for applying various ML, DL models from scratch using PyTorch
- FASHION GENERATION USING CUSTOM GAN MODEL: creating custom GAN generator and discriminator using tensorflow and generating new fashion.
- 2D TO 3D RECONSTRUCTION: using openCV to calibrate the camera and form a 3d point cloud from the 2d images from phone by calculating the disparity.
- 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.

SKILLS&TECHNOLOGIES

- Python , C#
- Python automation
- Algorithms(ML,DL)
- Mathematics, Linear algebra
- Statistic ,Probability, Data Analysis
- Machine Learning, Deep Learning, NLP, Computer Vision, Reinforcement learning
- Transformers,HuggingFace
- OpenCV,Pytorch,Tensorflow , Pytorch3D,Open3D,
- OCR,3D Computer Vision
- Image Segmentation, processing and recognition.
- GANs(generative models)
- Machine translation/ transliteration
- Deployment(Flask/Stream Lit), Django Rest API
- OpenAI gym
- GeoSpatial Analysis
- TimeSeries Analysis/Forecasting
- Solidity Contract,Blockchain
- Version/Env. Control(git)
- AR, VR application development(Unity)

LEADERSHIP AND ACHIEVEMENTS

- Rank 24 in Analytics Vidhya Hackathon 2023[code].
- Selected as the Youngest research fellow @ IITR.
- 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)