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Telangana, India
500036

Contact

+91 9553234145
krnkumar663@gmail.com

Date of Birth

July 12, 1997

B KIRAN KUMAR ASHISH

Computer Vision Engineer

Github

http://github.com/ashish-AIML

PROFILE SUMMARY

AI Researcher with 1.5+ years of experience in Computer Vision space. Adept at research and crafting logic-code design which can be put right away into production. Instrumental in integrating various domains to build an end-to-end platform.

PROFILE LINKS

ORCiD
https://orcid.org/0000-0001-6582-4009

Publons
https://publons.com/researcher/3527972/b-kiran-kumar-ashish/

Web of Science Researcher ID
AAT-9050-2020

Website
https://ashish-aiml.github.io/Ashish/

DEVELOPMENT SKILLS

Python
●●●●●○

Keras / Tensorflow
●●●●●○

Pytorch
●●●●○○

OpenCV
●●●●●○

Python Packages (Scipy, Numpy, etc)
●●●●●○

Edge Devices (Nano, Raspi)
●●●●○○

Deep Learning models creation
●●●●●○

ML algortihms (KNN, XGBoost, PCA, etc)
●●●●●○

GPU handling (models training & testing)
(Colab, Server, Physical GPU)
●●●●●○

EXPERIENCE

06/2020 - present
Viume
Computer Vision Engineer

- Currently developing an end-to-end automatic visual tagging of all possible fashion attributes through deep learning models
- Performing Object Detection for detecting main classes from an image & then image classification (transfer learning + custom layers) to classify deeper attributes from the object
- A deeper analysis of the data, especially the patterns of each class & train according to pattern recognition (dividing into different models)

04/2020 - 06/2020
Hexvel Disruptor
AI Team Lead

- Developed a computer vision based cricket analytics during practice sessions
- Performed object detection algorithm to detect ball, bat, batsman & pitch. Incorporated mathematical formulas to give a final outcome from detected objects such as ball speed, bat swing, so forth vision based analytics

02/2019 - 03/2020
Tericsoft Technology
AI Engineer
Computer Vision

- Worked on several real-time use cases involving in surveillance, visual biometrics, gait patterns & numerous commercial use-cases
- Intensively worked on different deep learning architectures in object detection, image classification & image segmentation
- Been a part in developing a full-scale computer vision solutions which are directly deployed in the production
  Ex: Facial recognition for biometrics developed with facial anti-spoof attacks solutions, which was deployed as a whole facial biometrics in the production

Edge Computing

- Worked on edge devices like Nvidia Jetson Nano, Raspberyy Pi (Zero, 3B, 4B models)
- Deployed light-weight models in the edge devices, which are developed for production ready
- Worked on cron job in raspberry pi for facial recognition & object detection use-cases in jetson nano

Lead Generation

- Briefly held a responsibilities of generating leads for using the products developed
- Involved in investor pitching during startup competitions

STRENGTHS

✔ *Effective Communication Skills*

✔ *Excellent Conceptual and Analytical Skills*

✔ *Effective Interpersonal Skills*

✔ *Team Player*

✔ *Assessing Outcomes*

✔ *Creating Compelling Presentation Slides*

✔ *Technical Writing & Verbal Communication (Business & Investor Pitching)*

✔ *Strong Work Ethic*

✔ *Recovering Quickly from Setbacks*

PUBLICATIONS

- *LARNet: Real-Time Detection of Facial Micro Expression Using Lossless Attention Residual Network [Journal Article- MDPI Sensors]*
  https://www.mdpi.com/1424-8220/21/4/1098
- *AccessNet: A Three Layered Visual Based Access Authentication System for Restricted Zones [Conference Paper]*
  https://ieeexplore.ieee.org/document/9300052/
- *An Exploratory Analysis on Visual Counterfeits Using Conv-LSTM Hybrid Architecture [Journal Article - IEEE]*
  https://doi.org/10.1109/access.2020.2998330
- *FashionFit: Analysis of Mapping 3D Pose and Neural Body Fit for Custom Virtual Try-on [Journal Article - IEEE]*
  https://doi.org/10.1109/access.2020.2993574
- *GAIT analysis: 3D pose estimation and prediction in defense applications using pattern recognition [Conference Paper]*
  https://doi.org/10.1117/12.2559368
- *Subjective and Objective Assessment for Variation of Plant Nitrogen Content to Air Pollutants Using Machine Intelligence [Book Chapter]https://doi.org/10.4018/978-1-5225-9175-7.ch006*

EDUCATION

01.2019 - 05.2019

International Institute of Information Technology, Hyderabad (IIIT-H)

Advanced Certification Program in Artificial Intelligence & Machine Learning
Grade: Excellent Performer

08.2015 - 04.2019

Anurag Group of Institutions, Hyderabad

Bachelor of Technology
Electronics & Communications Engineering
CGPA: 8.77

HOBBY

Technology   *Books Lover*   *Reading Tech blogs & Ted talks*

Experimenting with codes