Deepak Singh

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Technical Skills

Programming Languages: Python, C, C++, Javascript   **Databases:** MySQL, PostgreSQL
Data streaming tools: Kafka, Nifi   **UI:** React, HTML/CSS
Cloud: AWS EC2, AWS S3, AWS IAM, GCP   **VCS:** GitHub, GitLab
Others: Image Processing, Data Structure & Algorithms, ML, APIs

Experience

Rklick Sol. (Princeton Hive), Noida, INDIA | *Software Developer*   Oct '2020 - Present

- **Major** : Image processing, Natural Language Processing, NLTK, OpenCV, Tensorflow, Mediapipe, Tesseract, Rake, LDA
- Internet of Things
- Topic extraction from video using Image Processing.
- Brand Logo extraction from videos and images.
- Object detection using YOLO v4 model.
- Custom object training and detection using SSD and YOLO.
- Optical Character Recognition (OCR) to find out the background details during any conference or workshops.
- Scene segmentation to find out interesting clips of the video.
- Video summarisation for finding out the summary of a large video.
- Audio summarisation using Transform Hugging trained on GPT-3.
- Esports game (Rocket League) clips segmentation and AI analysis.
- Creation of custom dataset using roboflow and augmenting using Label Img then training using YoloV5.

Academic Qualification

Bachelor of Technology, IMS Engineering College, Ghaziabad   AUGUST `17- AUGUST `21
- Major : Computer Science and Engineering   CGPA : **8.5 / 10**
- **Advanced Topics :** Cloud Computing, Parallel Programming, Machine Learning, DBMS

12th, Bhavans K.D.K.Vidya Mandir, Renukoot   JULY `14 - MAY `16
- Major - Computer Science and Maths   Percentage : **85%**

Projects

EDITH - The Smart Glass | Computer Vision   SPRING `19
- Automatize the old manual attendance system with a touch of computer vision which recognize face
- Give teachers their own personal assistant that helps them during teaching

Windows OS Custom Security | Computer Vision   SPRING `18
- Recognize owners' faces and respond when the owner is working otherwise freezes the screen

Solar system in C++ | OOPs   SUMMER `16
- Designed a full model of our solar system using C++ graphics

Internships

Princeton Hive, Noida | Intern Software Developer   JUNE`20 - SEPT`20
- Facial attendance monitoring software for office using Dlib library in **Python**
- Big data processing flow using **NiFi** tools to get data from Database and process it.
- Real time quiz in **React** and **Node JS**

Rklick Pvt. Sol., Noida | Intern Software Developer   FEB `20 - MAY`20
- Facial attendance monitoring software for office using Dlib library in **Python**
- Big data processing flow using **NiFi** tools to get data from Database and process it.
- Real time quiz in **React** and **Node JS**

Scholastic Achievements And Scholarships

- Recipient of the prestigious ACSIR - Summer Internship Offer (among the 20 students selected nationally)   2020
- Secured 2nd position in Inter college Techathalon at IPEC Ghaziabad   2020
- Stood at 2nd position in Intra college Technical Fest at IMS Engg. Clg, Ghaziabad   2019
- Stood at 3rd position in Intra college Technical Fest at IMS Engg. Clg, Ghaziabad   2018