**RISHABH DHENKAWAT**

**I code with the view of a user-friendly product**

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| ›**http://i-am-rishabh.me/website/home** | | |  |

**EXPERIENCE**

Student at National Institute of Technology ,Hamirpur

**Apr 2018 – Apr 2023**

Himachal Pradesh,India ½

-**Drishti**-I basically made a project which can control a person just like a remote control bot. We extended our innovation by helping blind people navigating through obstacles using computer vision modules-> **yoloV3,** **OpenCV, Flask and Socket** .A product which while walking on roads, uwatching youtube on your phones can give u a superpower that u never collide with any obstacle.

-**Traffic Prediction** with **geo imagery dataset , resterio library with** **landset 8 open database** is used to predict the traffic of the defined areacaptured by satellite using **Keras RNN and LSTM**.

- **Nlp search engine with a graph database** which is an Artificial, opti-mized Search Engine based on graph database made with **NLTK** library of python.

- **Semantic Semiotic Search Engine - S3E** is a platform for Image Search powered by Deep Learning. Images will be recognized by **Image Cap-tioning Neural Networks together with Semantic Segmentation Neu-ral Networks**. Every Image uploaded to the S3E will be analyzed byDeep Neural Networks to generate labels through **Variational Auto**

**Encoders and then generate annotations and metadata about images** through Image Captioning Neural Networks.

-**Quad Bot** a Bot works with servo motors and have 12 degree of free-dom, using Computer Vision.We have used Raspberry pi as a microcon-troller and pycam for collecting live frames. Application of BOT: 1.secu-rity purpose 2.Working in Terrain 3.Rescue operation also uses human speech for the direction Using **CNN,openCV and CaffeMolde**.

-Developed a Real-Time Exam Monitoring software to check while giv-ing an online exam candidate is doing any fraud using **yoloV3 , MobileNet,** **caffemodel and openCV DNN** .

Executive Member

**Society for promotion of Electronics Culture**

sep 2018 – ongoing ½ National Institute of Technology ,Hamirpur

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| --- | --- | --- |
| Worked on Autonomous Drone ,based on Artificial Intelligence and pro- | |  |
| grammed using Python with respberry pi.Used to provide path and intimate | |  |
| obstacle to a blind person using **SLAM technique**. | |  |
| Executive Member |  |  |
| **Robotics Society** | ½ National Institute of Technology ,Hamirpur |  |
| December 2018 – Ongoing |  |

Artificial Intelligence Brain Controlled Wheelchair uses electroencephalo-gram (EEG) band allowing the micro-controller on board to detect user’s thought process, interpret it and control wheelchair movements also uses **human speech for the direction Using LDA (Latent Dirichlet Allocation)**.

**EDUCATION**

Btech+Mtech in Computer Science (CGPA-8.86) National Institute of Technology,Hamirpur April 2018-23

**LIFE PHILOSOPHY**



***“Do not fear failure but rather fear not trying.”***

**WORK EXPERIENCE**

EPIC knowledgeSociety

Bengluru,India **geo imagery dataset** Traffic Prediction with

**, resterio library with landset 8 open database** is used to predict the traffic ofthe defined area captured by satellite us-ing **Keras RNN and LSTM with optimized** **deployment using Docker on AWS**.

PerspecticoAI

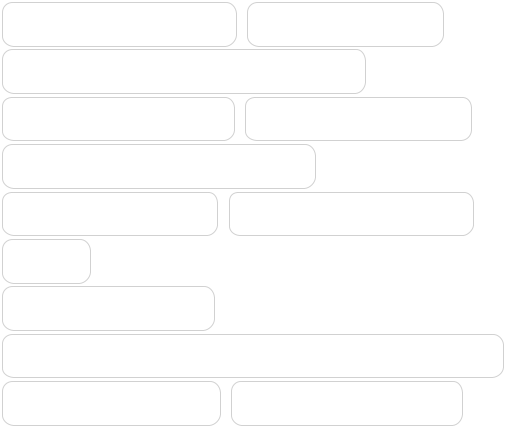
Delhi,India

-Developed a Real-Time Exam Monitor-ing software to check while giving an on-line exam candidate is doing any fraud us-ing **yoloV3 , MobileNet, caffemodel and** **openCV DNN with optimized deployment using Docker on AWS**

-Made candidate resume matcher and ranker using the NLP techniques with gen-sim model trained on 1 lakh job posting and 2GB stack-overflow embeddings **spacy,** **flask, gensim with optimized deployment using Docker on AWS**

**STRENGTHS**

Machine Learning Deep Learning



Natural Language Processing

Docker with AWS AWS Sage Maker

AWS - ECS, EC2, Fargate

Graph Database Graph Neural Nets

Flask TensorFlow

Data Structures Algorithms

Object oriented design and programming

Decision making Strategic thinking

**ACHIEVEMENTS**

-Selected in top 800 teams among 18000 in

IICDC by Govt Of India for Drishti

-Selected in top 100 teams in KPIT sparkle

among 4000 teams

-Winner of HackOverFlow at Chandigarh University for Drishti

-Winner of electrothon at NIT HAMIRPUR for Drishti