RISHABH DHENKAWAT

I code with the view of a user-friendly product

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VISIT ME

EXPERIENCE

Student at National Institute of Technology ,Hamirpur

Apr 2018 – Apr 2023

Himachal Pradesh,India

-**Drishti**-A Deep Learning project which can control a person just like a remote control bot.Innovation was extended by helping blind people navigating through obstacles using computer vision module **yoloV3, tensorflow,OpenCV, Flask and Socket** .A product which while walking on roads, u watching youtube on your phones can give u a superpower that u never collide with any obstacle using electric muscular simulation.
CLICK TO SEE MY REPORT

-Developed a cloud eVoting System which was judged by Election Commission of Inida, github and IBM, it is clud deployed supported eVoting platform Incorporated with IBP block-chain platfom, with proper AI surveillance and verfication using **tensorflow, keras,flask ,MobileNet, caffemodel, openCV DNN, facial landmarks with cloud deployment on AWS**
CLICK TO SEE APPRECIATION BY TIMES OF INDIA

- **Semantic Semiotic Search Engine - S3E** is a platform for Image Search powered by **Tensorflow Deep Learning**. Images will be recognized by Image Captioning Neural Networks together with Semantic Segmentation Neural Networks. Every Image uploaded to the S3E will be analyzed by Deep Neural Networks to generate labels through **Variational Auto Encoders and then generate annotations and metadata about images** through Image Captioning Neural Networks via attention mechanism with tensorflow and classifeid X-ray images for different lung diseases with cloud deployment using docker.
CLICK HERE TO SEE Semantic Segmentation Neural Networks

- **A Nlp search engine with a graph database** which is an Artificial, optimized Search Engine based on graph database made with **NLTK** library of python.
CLICK HERE TO NLP GRAPH SEARCH ENGINE

-**Quad Bot** a Bot works with servo motors and have 12 degree of freedom, using Computer Vision.We have used Raspberry pi as a microcontroller and pycam for collecting live frames. Application of BOT: 1.security purpose 2.Working in Terrain 3.Rescue operation also uses human speech for the direction Using **CNN,openCV and CaffeMolde**.
CLICK TO SEE WORKING VIDEO

-Made an ML based Real Time Human Temperature mask analysing the user's body temperature using -**ML Data Analytics techniques** that will enable us to monitor and analyse that how much user is prone to a disease like common cold, viral infection, Flu, Malaria, typhoid fever .

-Made and deployed real time Job Scaper which scrap and display the job from vaious sources using at one platfrom only -**ML Data Analytics techniques, bs4, selenium , aws , mongoDB for the database, python**.

Executive Member

Society for promotion of Electronics Culture

sep 2018 – ongoing National Institute of Technology ,Hamirpur

- Worked on Autonomous Drone ,based on Artificial Intelligence and programmed using Python with respberry pi.Used to provide path and intimate obstacle to a blind person using **SLAM technique**.

Executive Member

Robotics Society

December 2018 – Ongoing National Institute of Technology ,Hamirpur

- Artificial Intelligence Brain Controlled Wheelchair uses electroencephalogram (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-8.55)
National Institute of Technology,Hamirpur
April 2018-23

WORK EXPERIENCE

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

-Made a customer ready real time resume parser which extarct the labled details like college, past experience, skills from raw pdf using **spacy, flask, nltk, deployment using EC2 on AWS**

PerspecticoAI
Delhi,India
-Developed a Real-Time Exam Monitoring software to check while giving an online exam candidate is doing any fraud using **yoloV3 , MobileNet, caffemodel and openCV DNN with optimized deployment using Docker on AWS**

EPIC knowledgeSociety
Bengluru,India
Traffic Prediction with **geo imagery dataset , resterio library with landset 8 open database** is used to predict the traffic of the defined area captured by satellite using **Keras RNN and LSTM with optimized deployment using Docker on AWS**.

ACHIEVEMENTS

-Winner of Smart India Hackathon 2020 under AICTE

-Winner of lost vote India Challenge among 3000 teams by Github, IBM, Times Of India

-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

-Honored with Best Techinical Team at Hack 4.0 for quad bot

-DST best innovation idea 2nd position holder

STRENGTHS

Machine Learning | Deep Learning | Data Structures | Algorithms | Object oriented design and programming | NLP | Docker | AWS | embedded systems programming | Graph Database, MongoDB | Flask | TensorFlow | Decision making | Strategic thinking