



Randeep Saini

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PROFESSIONAL SUMMARY

Machine Learning Engineer with over 2.5 years of experience in different domains like IoT Data, AutoML models and Natural Language Processing . Excellent reputation for working collaboratively with team and resolving problems.

SKILLS

- Python
- Machine Learning
- NLP
- Computer Vision
- Deep Learning
- Keras
- OpenCV
- SQL
- AWS
- Linux, Docker

WORK HISTORY

ML DEVELOPER

03/2019 to CURRENT

Izenda

- **NLQ Engine**

spacy

We are working on a model that understands the English Language Query and can fetch the appropriate results from Database.

- **AutoML Model**

hyperopt

We have made a AutoML model that will tune it's hyperparameters automatically from given hypothesis space according to Input Dataset. It works for both Regression and Classification problems.

GRADUATE ENGINEER TRAINEE

09/2018 to 03/2019

Lithion Power

- **Geofencing Alert System**

scipy

We used GPS coordinates of drivers to create a bounding of their frequently working areas and sent alert to admins if they gets outside their area.

- **State of Charge Estimation**

Keras

We developed a model to predict the charge remaining in batteries according to it's voltage values and current withdrawn in previous records. We treated battery as a causal system.

EDUCATION

B.Tech | Computer Engineering

2018

YMCA University of Science And Technology, Faridabad

PROJECTS

Virtual Paint

opencv, mediapipe

A Python application that uses hands detection and movement to do painting on live camera stream.

Lyrics Generator

Tensorflow, LSTM

I used LSTM, provided by tensorflow and trained it on lyrics of a specific singer and used custom seed words to generate new lyrics.

Environmental Sound Classification

CNN, Keras, Librosa, Google-Colab

I used a dataset(ESC-50) consists of 5-second-long recordings organized into 50 semantical classes (with 40 examples per class) loosely arranged into 5 major categories, then converted it into spectrograms and fed it to AlexNet Architecture of CNN.