

# KANO HARAPV

Machine Learning | Deep Learning | Image Processing | Computer Vision | NLP

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Passionate about Machine learning cutting-edge technology and solving real world problems with positive work attitude, highly motivated, fast learner and a team player with good technical and analytical skills to work independently as well as in team.

Hands on experience in image classification, object detection, image processing, text classification & text extraction; possesses strong coding ability, adept at delivering enterprise grade, salable, secure & reliable software systems.

## EXPERIENCE

### **Data Science Intern, Rubix** (09/ 2022 - Present)

#### **Key Responsibilities:**

- Exploratory data analysis
- Feature Engineering
- Feature scaling
- Image pre-processing
- Neural Network Building

### **HVAC ENGINEER, Duracool airconditioning** (09-2020 -09/ 2022)

#### **Key Responsibilities:**

- Project estimation
- client coordination for billing and BOQ amendments and coordination of drawing changes.
- Making sure the material are matching the technical details specified by client.
- Sending weekly and monthly project update report to client.
- Coordination for asbuilt drawings.
- Handing over of the project

### **HVAC ENGINEER, Rao and co HVAC sales and services pvt ltd** (08-2019 -09/ 2020)

#### **Key Responsibilities:**

- Project Design, estimation, BOQ preparation.
- Taking approval of drawing and boq from client/consultant/architect .
- client coordination for billing and BOQ amendments and coordination of drawing changes.
- Making sure the material are matching the technical details specified by client.
- Sending weekly and monthly project update report to client.
- Preparing of asbuilt drawings.
- Handing over of the project

# **EDUCATION:-**

## **CERTIFIED DATA SCIENTIST, DATAMITES.**

- 11/2022 -
- Python, Deep Learning ,NLP, computer vision.

## **HAVC Design and drafting , Danush Engineering services India Pvt Ltd.**

- .05/2019 - 08/2019
- Heat load calculations , project design and estimation
- BOQ preparation

## **B.E (MECHANICAL), Dr. Ambedkar institue of technology.**

- CGPA - 7.80 or (70%)
- .2014-2018

## **2<sup>ND</sup> PUC(PCMB), sree vijaya pu collage.**

- Per -90.4%
- 2014

## **SSLC, PARMS.**

- Per - 87.4%
- .2012

## **SKILLS**

- Machine learning Algorithms[Logistic and Linear Regression, Classification (Text & Image), Gradient Descent, K-Means, PCA, Random forests, Support Vector Machines,RNN, Ensemble Learning, CNN, Transfer learning] and deep learning skills.
- Good coding ability both in producing clean and efficient code as well as debugging and understanding large code bases.

### **Technical Skills:**

- SQL
- Regex
- Numpy
- Scikit-Learn
- Pandas ,Keras
- NLTK
- OpenCV
- TensorFlow 2.0
- Lambda, CodePipeline
- Python
- Git

### **Core Competencies:**

- Machine Learning
- Deep Learning
- Data Visualisation
- Predictive Analytics

- ML Algorithms • Clustering & Classification
- Computer Vision • Data Analysis • Image Processing • Data Mining
- Object Detection & Segmentation • Web Scraping
- Statistical Modelling • Pattern Recognition Algorithms

## **CERTIFICATIONS**

- **TensorFlow Developer Certificate in 2023: Zero to Mastery**  
**TensorFlow Developer Certificate in 2023: Zero to Mastery**  
 Udeemy Issued Mar 2023  
 Credential ID UC-5a54506a-fd63-41b3-9625-93faf51d4eed
- **NLP - Natural language processing with python**  
 Noble Work Foundation  
 Issued Dec 2022  
 Credential ID UC-9391e694-d7d8-43b7-94af-d69f0d4ad941
- **Python for data science and machine learning**  
 Python for data science and machine learning  
 Udeemy Issued Oct 2022 • No Expiration  
 Date Issued Oct 2022 • No Expiration Date  
 Credential ID UC-6d35fc1b-4f95-40f7-87b8-0aeca3ddec7
- **Introduction to Programming Using Python**  
 HackerRank  
 HackerRank Issued Mar 2022 • No Expiration  
 Date Issued Mar 2022 • No Expiration Date  
 Credential ID 7142676E939B

## **MAJOR PROJECTS**

### **Text classification Projects**

-Designed NLP text classification machine learning models with SVM, Decision trees, Deep Neural Networks and LSTM. Worked on text cleaning by removing noise, stemming and lemmatization techniques using NLTK.  
 -Have used TFIDF vectorizer for feature extraction, implemented number of techniques to improve the text-based classification models with bagging, boosting, and voting classifier.

### **Handwritten Digit Recognition System**

Digit recognition system is the working of a machine to train itself or recognizing the digits from different sources like emails, bank cheque, papers, images, etc. and in different real-world scenarios

for online handwriting recognition on computer tablets or system, recognize number plates of vehicles, processing bank cheque amounts, numeric entries in forms filled up by hand (say — tax forms) and so on.

### **Sales data forecasting**

In this project we have to train the ML model to learn for forecasting the data based on the previous data that model has learned. we have used sales data for training for certain period of time . we have developed LR model , ARIMA AND RNN model for this project. After training the model has to learn to predict the future sales

### **Image classification**

In this project we have to train the ML model to learn to classify images based on the given unlabelled data. We have to separate the image for test and train set. In this model it has to learn to Classify on it's own. We have use OPENCV2 , CNN and Tensorflow and Keras. After the model Development we train it using the train data set . We do the cross validation and calculate the accuracy score.