KISHOR JADHAV

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EDUCATION

IIT Kharagpur

M.Tech in Aquacultural Engineering
CGPA: 9.31/10

MPKV Rahuri

B.Tech in Agricultural Engineering
CGPA: 8.27/10

HSC	SSC
84.46%	89.80%

SKILLS & EXPERTISE

- **Programming Languages**
  Python, R, SQL.
- **Technical Knowledge**
  Machine Learning, Deep Learning, NLP,Computer Vision, Data Analysis, Statistics.
- **Tools and Frameworks**
  Jupyter Notebook, Google Colab, R Studio, Tableau, ChatGPT, POP-SQL, VS Code, Scikit-Learn, Tensorflow, Keras,Numpy,Matplotlib,Pandas, Seaborn,NLTK, OpenCV.
- **Introductory Knowledge**
  Hadoop (HDFS), Power BI, Plotly & Dash, Google Earth Engine, Chatbot, YOLO

CERTIFICATIONS

- **Machine Learning with Python** ~ Coursera IBM
- **Full Stack Data Science** ~ Durga Software Solution
- **Python for Data Science Machine Learning & Deep Learning** ~ Durga Software Solution
- **Core & Advanced Python** ~ Durga Software Solution

AWARD & ACHIVEMENTS

- GATE (AG) [2021]: Secured **AIR 174** Rank.
- Awarded as Best Fuel Economy Award in **TIFAN-2019** Competition conducted by SAE, India
- Achived **5 Star** in SQL and Python on HackerRank (ID: jadhavkishor1991)

PROJECTS

Fish Recognition & Weight prediction using Machine Learning Techniques.
M. Tech Project | Computer Vision | Machine Learning | DeepLearning | CNN
IIT Kharagpur   *2022-2023*

- **Gathered** and preprocessed diverse fish images of different species in both harvested and underwater environments.
- Compared the performance of various pretrained models including VGG16, VGG19, ResNet50, and InceptionV3.
- Optimized hyperparameters for the Inception model, achieving a remarkable accuracy of **94.32%**.
- Performed **multiple linear regression** to calculate fish weight based on body parameters such as fork length, height,and thickness.
- Developed a web interface using **Streamlit** to facilitate image scanning and predict the fish species accurately.

Hospital Chatbot Using NLP Techniques
Natural LanguageProcessing | MachineLearning | BOW | ANN

- Created Chatbot to swiftly address patient queries, reducing human intervention.
- Applied advanced NLP techniques: spatial character removal, stopwords elimination, Tokenization/Lemmatization, and **BOW** for improved data comprehension.
- Designed a 5-layer Feed Forverd Neural Network with **97% accuracy**.

INTERNSHIP

Data Science Intern | Corizo   **June 2022 - August 2022**
Deep Learning | Image Classification | CNN | ANN | Keras | FER

- Explored datasets with Jupyter Notebook & Google Colab.
- Cleaned, visualized, and modeled various datasets using diffrent ML algorithms.
- Preprocessed **23k+** face images using **matplotlib** and **OpenCV**.
- Evaluated the effectiveness of Convolutional Neural Networks and Artificial Neural Networks, achieving an accuracy of **93.32** % and 88.48 %, respectively.

POSITION OF RESPONSIBILITY

Incubation Member (2022): ABIF, IIT Kharagpur

- Led **GrowGen Aqua** team, driving Smart Aquaponics Solution initiatives with a tech blend of Computer Vision and IoT.
- Guided six members to craft a conceptual proposal and prototype for a smart aquaponics system, showcasing adept leadership and innovation.