SUSHANT KOTHARI

ML Developer
Data Scientist
Python Developer

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SUMMARY

Seeking opportunities to improve my skills and knowledge to grow along with the organization's objective and become an important asset to the company in the long run.

PREFERRED LANGUAGE AND LIBRARIES

Language: Python

Libraries: NumPy, Pandas, MatPlotLib, Scikit, TensorFlow, openCV, Seaborn, Keras

SKILLS

Technical Skills: Data Science, Machine Learning, Artificial Intelligence, Deep Learning, Neural Networks, Data Preprocessing, Data Analysis, Data Visualization, Predictive Modelling, Natural Language Processing, Object Detection, SQL, OOPs.

Soft Skills: Teamwork, Problem Solving, Team Leadership, Communication, Critical Thinking, Project Management, Adaptability, Time Management, Analytical Thinking.

PROJECTS

Wildlife Detection using Custom CNN Model: Wildlife Detection using Custom CNN Model: - Developed a deep learning model using Python and TensorFlow to detect and classify images of wild animals like leopards and lions. Developed and trained a custom CNN on a dataset of leopard and lion images. Implemented data augmentation, model training, and performance evaluation. The model achieved over 95% accuracy in detecting and classifying images correctly.

Deepfake Detection Model: Developed a Python-TensorFlow deep neural network for deepfake detection. Trained on real and synthetic images, achieving over 90% accuracy. Utilized convolutional and dense layers, data augmentation, batch normalization. Calculated precision, recall, F1 score, box loss. Shows proficiency in CNN models for image classification.

House Price Prediction using Machine Learning: Developed a predictive machine learning model in Python using Pandas. Trained on dataset with population, total number of rooms, bedrooms and median house prices per block group. Utilized data processing techniques and ML algorithms to forecast California house prices accurately.

Face Mask Detection: Developed an efficient face mask detection model using CNN, Keras, and transfer learning with VGG16. Carefully curated datasets, emphasizing real-world relevance. Implemented the Haar Cascade algorithm to enhance face detection accuracy. Demonstrated proficiency in deep learning, computer vision, and problem-solving techniques.

EDUCATION

08/20 - Present — **Dr. D Y Patil's Ramrao Adik Institute Of Technology** — **CGPA: 9.19**
B.Tech in Computer Science Engineering with Specialization in Data Science

05/19 - 05/20 — **K M Agrawal College** — **Percentage: 69.85%**
HSC High School 12th Standard

03/17 - 03/18 — **PMM Rotary School** — **Percentage: 89.40%**
SSC State Board 10th Standard

EXPERIENCE

6/23 - 8/23 — **Data Science Intern at Academor**

During a 2-month internship, I worked on a House Price Prediction Project, with a focus on Ocean proximity. Utilizing Python libraries like Pandas, Seaborn, and Matplotlib, and leveraging machine learning algorithms, I gained valuable skills in data analytics and problem-solving. This experience provided practical insights into real-world data processing, significantly enriching my expertise in data science.

CERTIFICATES

- Certificate for Data Science course from Academor.
- Certificate for Machine Learning course from Suven Consultants.
- Certified Python Developer Associate (PDAC-24)
- Certificate for Artificial Intelligence Job Simulation from Cognizant.
- Certificate for Natural Language Processing Course from Suven Consultants.