SNEHAL TANDEL

WORK EXPERIENCE

Associate Data Scientist
Blue Data Consulting Pvt Ltd, India
03/2022 – 08/2024

- Gained expertise in Python, OpenCV, TensorFlow, NLP, Computer Vision and machine learning algorithms.
- Automated document verification using OCR technologies (PyTesseract, EasyOCR, Doctr) to validate physical and digital documents.
- Developed and implemented real-time object detection and classification systems using YOLO, OpenCV, and TensorFlow, enhancing video analytics capabilities.

AI & Data Science Intern
Blue Data Consulting Pvt Ltd, India
09/2021 – 02/2022

- Built time series forecasting models using ARIMA, SARIMA, and SARIMAX.
- Performed data preprocessing and cleaning to extract valuable insights.
- Developed and implemented machine learning and deep learning models.

ACADEMIC PROJECTS

Leaf Disease Detection using Deep learning

- **Goal**: Develop a deep learning model to detect potato leaf diseases from images.
- **Technology**: Convolutional Neural Networks (CNNs).
- **Tools**: Python, TensorFlow, Keras, OpenCV.
- **Objective**: Help farmers efficiently identify and manage diseases.

Automate Sentiment Analysis of Textual Comments

- **Goal**: Automate sentiment analysis to classify tweets as positive, negative, or neutral.
- **Technology**: Natural Language Processing (NLP), machine learning algorithms like Naive Bayes, LSTM, or BERT.
- **Tools**: Python, NLTK, TensorFlow, Scikit-learn.
- **Objective**: Develop a system that automatically classifies the sentiment of tweets.

Object Tracking

- **Goal**: Develop a model to detect and track objects in a video stream.
- **Applications**: Surveillance, robotics, autonomous vehicles.
- **Technology**: Computer Vision, Deep Learning (e.g., YOLO Pre-trained model).
- **Tools**: Python, OpenCV, TensorFlow, Keras.

EDUCATION HISTORY

University of Europe for Applied Sciences
Master of Science in Data Science, Potsdam, Germany
September 2024 – Currently enrolled

Rashtriya Raksha University
Postgraduate Diploma in Data Science & Machine Learning, Gandhinagar, India
November 2020 – November 2021

B.P. Baria Science Institute
Bachelor of Science in Physics-Mathematics, Navsari, India
June 2017 – August 2020

CONTACT

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Github.com
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Neustadt, 39106 Magdeburg
(Germany)

KNOWLEDGE

Foreign languages
English: Level C1
German: Level A1

Software knowledge
Python
Cloud Platform – AWS, AZURE
Git & Github
HTML
Power BI
Apache Airflow

CERTIFICATES

Google Developers group Ranchi
Python and Deep Learning
Computer vision

ShapeAI
Python and Computer Vision