

Snehal Tandel

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Profile

Results-driven Data Scientist with over 2 years of experience developing and deploying data solutions. currently pursuing a Master of Science in Data Science at the University of Europe for Applied Sciences, focused on leveraging data-driven solutions for real-world problem-solving.

Experience

Associate Data Scientist

03/2022 – 08/2024

Blue Data Consulting Pvt Ltd, India

- Gained expertise in Python, OpenCV, TensorFlow, NLP, Computer Vision and machine learning algorithms.
- Developed a web scraping pipeline using BeautifulSoup to extract and analyze data from 10,000+ reviews, enabling data-driven decision-making for clients.
- Automated document verification using OCR technologies (PyTesseract, EasyOCR, Doctr) to validate physical and digital documents and reduced manual verification time by 40%
- Developed and implemented real-time object detection and classification systems using YOLO, OpenCV, and TensorFlow, enhancing video analytics capabilities.

AI & Data Science Intern

11/2021 – 02/2022

Blue Data Consulting Pvt Ltd, India

- Performed data preprocessing and cleaning to extract valuable insights.
- built time series forecasting models using arima, sarima, and sarimax, enabling the company to predict sales trends with 90% accuracy, leading to better inventory management.

Technical Skills

Programming Languages	Python, SQL
Machine Learning	Data cleaning, Feature engineering, Data wrangling, Model Training, Model Evaluation, Deployment, Model Finetuning, Time series analysis, Scikit-learn
Computer Vision	OpenCV, YOLO, TensorFlow, Keras, PyTorch, OCR (PyTesseract, EasyOCR, Doctr)
NLP	NLTK, SpaCy, BERT, LSTM
Data Analysis & Visualization	Pandas, NumPy, Matplotlib, Seaborn, Power BI
Cloud Platforms	AWS, Azure
Tools	Git, GitHub, Apache Airflow, BeautifulSoup
Databases	MySQL, MongoDB

Education

University Of Europe for Applied Sciences
Master Of Science in Data Science, Potsdam, Germany

09/2024 – Present

Rashtriya Raksha University
PG Diploma In Data Science & Machine Learning, Gandhinagar, India

2020 – 2021

B.P. Baria Science Institute
Bachelor Of Science, Navsari, India

2017 – 2020

Projects

Leaf Disease Detection using Deep learning

- **Goal:** Develop a deep learning model to detect potato leaf diseases from images to help farmers efficiently identify and manage diseases.
- **Tools & Technology:** Python, TensorFlow, Keras, OpenCV, Convolutional Neural Networks (CNNs).
- **Evaluation:** Model performed 98% accurately with real and testing data

Automate Sentiment Analysis of Textual Comments

- **Goal:** Develop a system that automatically classifies the sentiment of tweets.
- **Tools & Technology:** Python, NLTK, TensorFlow, Scikit-learn, Natural Language Processing (NLP), machine learning algorithms like Naive Bayes, LSTM, or BERT.
- **Evaluation:** Model performed 93% accurately with real and testing data

Skills & Abilities

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|-----------------------|-------------------|------------------------|
| • Analytical Thinking | • Leadership | • Creativity |
| • Problem Solving | • Time Management | • Fun and Energetic |
| • Teamwork | • Multitasking | • Communication Skills |

Languages

English: Advanced



German: Intermediate



Certificates

Google Developers group - Python and Deep Learning | Computer Vision
ShapeAI - Python and Computer Vision