

Tarun Nichwani

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SUMMARY

Data Science and Web Development professional skilled in data analysis, building scalable web applications with Flask, and implementing machine learning solutions. Intermediate-level expertise in Computer Vision and NLP, with hands-on experience in developing AI-driven applications. Passionate about leveraging data insights and programming skills to solve real-world problems. Excellent problem-solving, research, and collaboration abilities.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, HTML, CSS

Visualization Tools & Libraries: Tableau, Matplotlib, Seaborn

Libraries & Tools: Numpy, Pandas, Scikit-Learn, Tensorflow, SQLAlchemy

Frameworks: Flask, Bootstrap

PROJECTS

Flask based Payment Application

Web Development

Present

Python, Flask, HTML, CSS, SQL

Real Time Pothole Detection System

Computer Vision

April 2024 – April 2025

Python, OpenCv, yolov8, RoboFlow

- Built a pothole detection system for real time video input data.
- Trained model using yolov8 segmentation model.
- Annotated data using RoboFlow and automated it using GroundingDino.

MultiScriptSense

Natural Language Processing

January 2023 – May 2023

Python, NLTK, Scikit-Learn

- Trained the model on a dataset 23 distinct languages of 10k sentences each.
- Enabled identification and classification of linguistic data.
- Added the feature of adding new data in the dataset (Continual Learning).

EDUCATION

VIT Bhopal University

Integrated Mtech, Artificial Intelligence

Sehore, Madhya Pradesh

October 2022 – Present

Center Point School

Higher Education (PCM)

Nagpur, Maharashtra

July 2020 – April 2022

Bhavan's BP Vidya Mandir, Civil Lines

Schooling

Nagpur, Maharashtra

July 2007 – May 2020

CERTIFICATIONS

- Applied Machine Learning in Python
- Deloitte Australia – Data Analytics Job Simulation