Tushar Canchi

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OBJECTIVE

Aspiring Data Engineer with strong Python skills and hands-on ML experience.Eager to build scalable data pipelines and apply analytics to solve business problems.Driven by curiosity, continuous learning, and real-world impact through data.

INTERNSHIPS

Frontend Web Development 06/2023 – 07/2023
IBM (CSRBOX)
Gained a strong understanding of the core technologies for web development. Learned how to structure webpages using HTML, style them using CSS, and add interactivity with JavaScript.

AI-ML 02/2023 – 07/2023
AWS (AICTE)
Gained proficiency in collecting, cleaning, and preprocessing large datasets. Developed a strong understanding of machine learning algorithms, including linear regression, decision trees, SVMs, and clustering techniques.

Intern- Engineering 05/2025 – present
Gleecus TechLabs
Collaborated with the team at Gleecus Techlabs to develop and optimize web applications using Python and modern frameworks.Gained hands-on experience in real-world software development, contributing to code reviews, debugging, and feature implementation.

EDUCATION

Master's in Computer Applications (MCA) 07/2022 – 04/2024
Gandhi Institute of Technology and Management, Visakhapatnam

Bachelor's in Computer Application (BCA) 06/2019 – 04/2022
Gandhi Institute of Technology and Management, Visakhapatnam

PROJECTS

Django Data Analysis Web Application
A web app to upload, analyze CSV files, and visualize data insights. Implemented real-time insights and exploratory data analysis (EDA). Technologies: Django, Python, Pandas, NumPy, Matplotlib

Traffic Sign Recognition using Machine Learning
A CNN model to classify traffic signs with high accuracy. Achieved 98.33% accuracy using deep learning techniques.
Technologies: Python, TensorFlow, Keras, CNN, SVM, Sklearn, Matplotlib

Video Captioning with Keras
A deep learning model that generates captions for video content. Helps improve video search and recommendation systems.
Technologies: Python, TensorFlow, Keras, CNN, OpenCV, Matplotlib

License Plate Detection using OpenCV and Neural Networks
A real-time system for automatic number plate recognition. Useful for surveillance, toll collection, and traffic monitoring.
Technologies: Python, OpenCV, Neural Networks, Deep Learning

Wall Crack Detection using CNN
Designed a CNN model for real-time crack detection in structures. Achieved 97.68% accuracy using TensorFlow & SVM.
Technologies: Python, OpenCV, Neural Networks

Whisper AI - Automatic Subtitle Translator
Whisper AI uses OpenAI's Whisper model and FFmpeg to accurately transcribe and translate non-English audio into English subtitles. It's perfect for movies, documentaries, and educational content, even with complex speech or poor audio quality.
Technologies: OpenAI Whisper Model, FFmpeg, ML, Python

SKILLS

Infrastructure & Cloud:-
AWS, Oracle Cloud, Git, Docker

C Programming
Systems-level logic, algorithms

Programming & Tools:-
Python, SQL, Java, Web Development

Machine Learning
Scikit-learn, TensorFlow, SVM, CNN

Data & Visualization:-
Pandas, NumPy, Matplotlib, Tableau

Cloud Data Warehousing (Basic)
Familiar with Snowflake architecture, SQL querying, and Databricks notebook interface.

CERTIFICATES

Cloud Infrastructure 2024 Generative AI Certified Professional
Oracle

Python
HackerRank

The Structured Query Language (SQL)
Coursera

Data Analytics Job Simulation
Forage

Web Development
Coursera

C Programming Course
Coursera

Data Visualisation: Empowering Business
Forage

Core Java
Internshala