

Tanishqua Verma

Linkedin | GitHub

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DATA SCIENTIST & PYTHON DEVELOPER

Motivated Data Science and Python Development enthusiast with solid understanding of ML concepts, Python programming, SQL, and data analysis. Experienced in academic and personal projects involving model building, automation, and backend development. Eager to apply analytical and programming skills in real-world projects.

TECHNICAL SKILLS

- Programming Languages :** Python, SQL, HTML , CSS.
- Machine Learning & AI :** Scikit-learn, TensorFlow, Generative AI.
- Libraries :** Pandas, NumPy, Matplotlib, Seaborn, Flask, Streamlit.
- Databases :** MySQL.
- Tools & Environments :** Jupyter Notebook, Google Colab, Anaconda, Visual Studio Code, Git, GitHub

PROJECTS

AI-Driven Personal Expenses Tracker

October 2025 - November 2025

This project is an AI-driven Personal Expense Tracker that allows users to record daily expenses, visualize their spending patterns through analytics dashboards, and predict future expenses using a Machine Learning model. The system is built with Flask, SQLite, Chart.js, and Linear Regression.

Frontend: HTML, CSS (Dark Glass UI) , JavaScript

Backend: Flask (Python Web Framework)

Visualization: Chart.js

Database: SQLite

Machine Learning:Linear Regression Algorithm

Premium Online Job Portal Website

July 2025 - August 2025

This project is a Premium Online Job Portal Website that allows job seekers and recruiters to connect through an intelligent AI-powered platform. Job seekers can register, upload details, explore job listings, and receive personalized job recommendations. Recruiters can post jobs, view applicants, and manage their opportunities through a modern dashboard interface.

Frontend: HTML, CSS, JavaScript

Backend: Flask (Python Web Framework)

Database: SQLite

Visualization: Custom UI Components (CSS-based cards & analytics layout)

Machine Learning: TF-IDF Vectorization + Cosine Similarity for AI-based Job Recommendations

PDF to Audio Converter | Python Project

June 2025

Developed a Python-based application that converts PDF documents into clear, natural-sounding audio. The system extracts text from PDF files using PyPDF2 / pdfplumber and converts it into speech using Text-to-Speech (TTS) engines such as gTTS or pyttsx3. Implemented features like file upload, text cleaning, customizable voice speed, and downloadable MP3 output. This project showcases skills in Python automation, file handling, speech synthesis, and user-centric tool development.

CERTIFICATES

Python

What Is Generative AI?

Introduction to Data Analytics

C & C++

Core Java

EDUCATION

10th , Board of Secondary Education, Bhopal , M.P.	2019
Shri Hari Public Higher Secondary School, Indore , M.P.	67.4%
12th , Board of Secondary Education, Bhopal , M.P.	2021
Shri Hari Public Higher Secondary School, Indore , M.P.	66.8%
Graduation (Bachelor of Computer Application), DAVV , Indore , M.P.	2021-2024
Softvision College, Indore, M.P.	8.20 CGPA
Post Graduation (Master of Computer Application) , RGPV , Bhopal , M.P.	2024-2026
Shri G.S. Institute of Science and Technology , Indore , M.P.	7.10 CGPA(till 2 nd Semester, Expected 2026)

POSITION OF RESPONSIBILITY

- Problem Solving Skills
- Leadership
- Team Work
- Project Management
- Organization Contributions