TANISH CHANDAK

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EDUCATION

- **B. Tech in Computer Science and Engineering with Specialization in AI and ML** *2021–2025*
  Vellore Institute of Technology, Bhopal **CGPA: 8.54**
- **Higher Secondary** *2020–2021*
  The Oxford H S School, Sehore **Percentage: 82.0%**
- **Senior Secondary** *2018-2019*
  Vishwajyoti Convent School, Sehore **Percentage: 78.2%**

TECHNICAL SKILLS

- **Technical Skills:** C + +, Python (NumPy, Pandas, Matplotlib, Seaborn)
- **Database:** SQL
- **Area of Interest:** Data Analyst, Machine Learning

CERTIFICATION

- **Cognitive Class**: Data Analysis with Python
- **University of Michigan**: Applied Machine Learning in Python

PERSONAL PROJECTS

- **Knee Osteoarthritis Severity Detection** (July 23 – Sep 23)

A machine learning-driven application to classify the severity ok knee osteoarthritis based on X-ray images.

  - Developed a deep learning model to analyze X-ray images and classify the condition into five categories: Normal, Doubtful, Mild, Moderate and Severe.
  - Utilized OpenCV for image preprocessing to standardize inputs, enhancing model consistency and accuracy.
  - Designed an engaging Flask interface to facilitate seamless image uploads and intuitive result visualization.
  - Technology Used: Python, TensorFlow/Keras, OpenCV, Flask, HTML/CSS.

- **Smart Energy Consumption Predictor** (Nov 22 – Feb 23)

An AI-powered application that predicts energy consumption using machine learning to optimize usage.

  - Engineered a machine learning model to predict energy consumption using diverse environmental, operational, and load-based attributes.
  - Implemented a Random Forest Regressor to analyze usage patterns and generate accurate consumption forecasts.
  - Developed a Flask-based web application to deliver real-time energy insights and optimization recommendations.
  - Technology Used: Python, Scikit-Learn, Pandas, Numpy, Flask, HTML/CSS.

EXTRA-CURRICULARS AND ACHIEVEMENTS

Responsibility:
- **Volunteer, Igniters Club** (Jan 2023 – Jan 2024)
  - Played a key role in event execution and team coordination
- **Head of Discipline, School Council**
  - Oversaw school-wide discipline initiatives and enforced policies across 1,000+ students. (Jun 2020 – Mar 2021)

Achievements:
- **Master Level by Coding Ninja**: Achieve all 7 levels, consistently topping weekly leaderboards.
- **Coding Ninja Badge in Machine Learning and Data Science:** Demonstrated strong foundation in advanced technologies.
- **Athletic Leadership:** Represented school at divisional level in football tournament, demonstrating teamwork and competitive spirit.

HOBBIES AND INTEREST

- Cooking, Sketching & Art, Driving.

LANGUAGE

- English, Hindi