**Tejal Shirsath**

**G-mail:**tejalshirsath18@gmail.com *|***Contact-No:**91-9579079301[*|*](https://www.linkedin.com/in/tejal-shirsath)**Linkdin:** <https://www.linkedin.com/in/tejal-shirsath>

**GitHub:** <https://github.com/Tejal-code-tech>

An IT student with strong foundation in **Python, Machine Learning** algorithms. Experienced in developing **ML models, Data Preprocessing** and working on academic projects involving classification and regression. Passionate about continuous learning and staying updated with latest AI trends and technologies.

# Education

BE in IT (Information Technology) **MET Institute of Engineering , Nashik** CGPA: 8.67 |2023-2026.

Diploma in Computer Technology **K.K.Wagh Polytechnic , Nashik** Percentage:82.35|2020-2023.

# Internship Experiences

**AI: Transformative Learning with TechSaksham**

**Feb 2025 – Mar 2025**

**Fitness Tracker**

* Built a fitness tracker using ML to classify activities like date , steps, distance and calories burned.
* Achieved 90%+ accuracy using models like SVM and Random Forest.
* Visualized real-time metrics and insights through a simple dashboard.

# Projects

**SMS Spam Detection Model**

* Implemented a classification model using Naive Bayes to accurately detect spam messages, achieving over 95% accuracy.
* Pre processed text data using techniques like tokenization, stop word removal, and TF-IDF vectorization.
* Developed a user-friendly interface to demonstrate model predictions and improve usability.
* Demonstrated strong problem-solving and teamwork skills while collaborating with peers and troubleshooting model performance.

# Hackathon

**Hackathon Participant – Smart Crowd Density Management System**

* Developed a real-time crowd detection system using video feed analysis to identify and visualize overcrowded areas.
* Built a Flutter-based mobile app with a tabbed layout featuring Dashboard, Live Heatmap, and About screens.
* Implemented a Flask backend to process video frames, detect crowd density, and generate live location-based heatmaps.
* Enabled seamless frontend-backend integration for real-time data updates and efficient crowd visualization.