

YASHASVI

INDIAN INSTITUTE OF TECHNOLOGY, MANDI

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COURSEWORK

1.[Data Science and Machine Learning] 2. [fundamental Design Practicum] 3. [Design Practicum]

PROJECTS

- **Tarzan the Wonder Car** ---Python(machine learning)
"I created and deployed a YOLO-based system for real-time traffic sign and lane detection, resulting in increased road safety." High accuracy was achieved by diversified dataset training, allowing for simultaneous detection of traffic signs and road lanes." [git.io](#)
- **Songs Recommendation** -----Python(machine learning)
Created and deployed a personalized songs recommendation system, employing collaborative filtering and machine learning techniques. Leveraged user preferences and song metadata to deliver accurate and satisfying music recommendations for an enhanced user experience . [git.io](#)
- **Zomato reviews and ratings** ---Natural Language Processing
Built a review and rating analysis system for Zomato, utilizing NLP and machine learning techniques to extract insights from user reviews across diverse domains. Provided accurate sentiment analysis and actionable recommendations, enhancing user decision-making and platform experience.
- **Emotion detection** ---Python(Machine learning)
Developed and implemented an emotion detection model using machine learning techniques to accurately classify human emotions and also make aa software (a website) by using HTML-CSS and implemented our above model using Flask Framework. [_git.io](#)
- **Advanced Vehicle Monitoring System** ---Python(Machine learning)
This project aims to develop an advanced driver-assistance system using YOLO object detection algorithm, equipped with LIDAR sensors and stereovision cameras, to detect speed breakers, potholes, traffic lights, and speed limit signs, providing voice alerts to drivers for enhanced safety on the roads.

SKILLS

- Python, C++
- Web Dev: HTML, CSS, JS
- Data Analysis: Pandas, NumPy, SQL ,Excel
- Management: Strategic, Leadership
- Tools: IDEs, Git/GitHub ,Google Colab ,Jupyter notebook
- Software: Adobe Illustrator, AutoCAD , Arduino, Staad Pro .
- Bilingual: English, Hindi
- AI/ML: NLP, Deep Learning

EDUCATION:

- INDIAN IINSTITUTE OF TECHNOLOGY
(BTech in Civil Engineering)
- V.V.M Inter College, Fatehpur ,UP
(10th and 12th)

POSITION OF RESPONSIBILITY

- **Co-Ordinator** : Event Co-Ordinator in XPECTO tech fest.
- **Core team member** : working as a core team member in NIRMAAN club.
- **Volunteer** : Sponsorship volunteer in literary fest RUVAAN-22 and volunteering for Event management in ASTRAX-22 and SPICMACAY-23 and publicity volunteer in our collage cult fest EXODIA-23 .
- Helping to design the website of Nirmaan club .

AWARDS &CERTIFICATIONS

- Certified as a core member
- Ranked second in the entire state for the 10th State Board Examination.