Vikas Singh

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EDUCATION

IIT (MANDI)
COMMUNICATION AND SIGNAL PROCESSING

LINKS

LinkedIn:// **vikas-singh**
Github:// **vikasIITM**

ACADEMICS :
- B-tech Percentage - 75.6
- M-tech in the CSP branch, specializing in Machine Learning and Artificial Intelligence, at IIT Mandi between the years 2021 and 2023.

TECHNICAL SKILLS
proficient with:
- Python
- Numpy
- Pandas
- Plotly
- Seaborn
- Sklearn
- TensorFlow
- Pytorch
- OpenCV
- NLTK
- Hugging Face
- Probability for data science
- Statistical Data Analysis
- Deep Learning
- Natural Language Processing
- Computer Vision
- Micro Python
- Socket Programming

Have an idea with:
- Data Structure and Algorithm
- C++
- SQL
- Django
- HTML,CSS and JavaScript

SOFT SKILLS
- Empathy
- Adaptability
- Excited to learn new things
- Positive Attitude
- Collaboration

TECHNICAL PROJECTS

Basic projects
• Linear predictive coding of speech
•Surface crack detection.
•Communication among two or more devices over TCP/IP using micro-python(Thonny)
Project on Speech processing
• Indian Language Identification System on IIT MANDI data set .
Computer Vision
•Apply Yolo algorithms in detecting the objects in custom datasets
Natural Language Processing
•Work on transformer model
Project on Statistical data analysis
• Web tool for plotting the Data on NWH region .

M-TECH Final year project
• Analysis of koopman operator using deep neural networks