Manish Jaysingh

7735683773 | mroutjaysingh@gmail.com | linkedin.com/in/manish | github.com/manish

Education

National Institute of technology ,patna CGPA :8.77
Bachelor of Technology *2025*

DAV Public School Percentage: 94.2
Board of Intermediate Education, Odisha *2021*

DAV Public School Percentage: 97
Board of Secondary Education, Odisha *2019*

Experience

Undergraduate data scientist June 2024 – August 2024
VeriSync Labs *Sambalpur ,Odisha*

- Developed linear and logistic regression models from scratch using Python, applying techniques like gradient descent and maximum likelihood estimation.
- Converted implementations into a reusable PyPI package, including comprehensive documentation for ease of use by other developers.

Projects

Credit Card Fraud Detection | *Sklearn,Matplotlib,Pandas,Numpy,Seaborn* June 2024 – July 2024

- Developed an algorithm so that edit card companies are able to recognize fraudulent credit card transactions so that customers are not charged.
- K-Nearest Neighbors (KNN) classifier was used.
- KNN accomplished nearly 99.8 percent test accuracy and a perfect F1-score.
- SMOTE was applied to address class imbalance.

Chicken Health Classification | *TensorFlow,DVC,Flask,Flask-Cors,Docker,AWS.* August 2024 – September 2024

- Developed a Deep learning model to accurately classify chickens as healthy or unhealthy based on visual data ,utilized CNN(VGG16 architecture).
- Attained a 90 percent accuracy rate in classifying chicken health.
- Successfully deployed the model using a Flask application and a CI-CD pipeline on AWS.
- ReLU activation on hidden layers and softmax activation on the output layer, optimized with stochastic gradient descent (SGD) and a learning rate of 0.01 to accurately classify chickens as healthy or unhealthy .

Tweet Sentiment Extraction | *Pandas,NLTK,Sklearn,Re* October 2024 – present

- Designed and implemented an NLP sentiment analysis model using Python and TensorFlow; processed approximately 1 million tweets, enabling the marketing team to tailor campaigns based on real-time public perception.
- Utilised naive bayes algorithm.
- Tokenized the data using bag of words(countvectorizer),after lemmatizing and using stopwords to remove unnecessary words.
- Achieved a 63 percent accuracy rate in classifying tweets.

Technical Skills

Languages: Java, Python, SQL (mySql)
Frameworks: Flask, Streamlit,
Developer Tools: Git, Docker, VS Code, IntelliJ
Libraries: pandas, NumPy, Matplotlib, Seaborn, plotly, Tensorflow, Sklearn, NLTK, Re **Soft Skills**:Leadership,communication,problem solving,Management

Coursework

- Decode Data Science with machine learning ,pw skills
- Introduction to Machine Learning ,kaggle