Gyana Prakash Sahoo

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SUMMARY

A final-year CSE student focused on Full Stack Development and AI/ML. Skilled in React.js, Node.js, Next.js, and Tailwind CSS. Proficient in API integration, databases, cloud services, and ML with Python, NumPy, Pandas, scikit-learn, and TensorFlow.

EDUCATION

Institute of Technical Education and Research (ITER) *2023 – 2027*
Bachelor of Technology in Computer Science *CGPA:7.44*

EXPERIENCE

- **Central Tool Room and Training Center** *Bhubaneswar*
  Machine Learning and Deep Learning Intern *July 2025*
  - Preprocessed data and performed feature extraction to enhance model performance and accuracy.
  - Developed and implemented a Face Recognition Attendance System using OpenCV and Convolutional Neural Networks (CNNs), achieving high accuracy in real-time scenarios

PROJECTS

- **Face Recognition Attendance System** *Links*
  - Tools Used: Python, OpenCV, TensorFlow, Keras, Haar Cascades, Dlib, NumPy, pandas, Scikitlearn, Matplotlib, Jupyter Notebooks, Spyder
  - Developed and implemented the facial recognition algorithm using OpenCV and Haar Cascades. Designed and integrated the attendance marking system with real-time facial recognition. Preprocessed and analyzed facial images to enhance recognition accuracy. Utilized TensorFlow and Keras for training the facial recognition model. Evaluated the system's performance and optimized it for accurate and efficient attendance marking.
- **Sentiment Analysis with Deep Learning** *github.com/name/repo*
  - Tools Used: Python, TensorFlow, Keras, CNN, Word2Vec, GloVe, pandas, NumPy, Scikit-learn, NLTK, Spacy, Jupyter Notebooks, Spyder
  - Implemented a deep learning model using Convolutional Neural Networks (CNNs) for sentiment classification. Utilized word embeddings (e.g., Word2Vec, GloVe) to represent textual data in a meaningful way. Trained and fine-tuned the model to accurately classify sentiments as positive, negative, or neutral. Evaluated the model using accuracy, precision, recall, and F1 score metrics.

TECHNICAL SKILLS AND INTERESTS

Languages: C, Java , C , JavaScript , Python

Developer Tools: HTML, CSS , Git, Github, VS Code, Vercel, Keras, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Tableau, OpenCV, Jupyter Notebooks, Google Colab, VS Code, PyCharm

Frameworks: Bootstrap,TensorFlow, Keras, PyTorch, Scikit-learn