

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.

- **Plant Diseases Detection using Deep Learning**

[Links](#) 

- Tools Used: Python, TensorFlow, Keras, CNN, GloVe, pandas, NumPy, Scikit-learn, NLTK, Spacy, Jupyter Notebooks, Spyder
- Implemented a deep learning model using Convolutional Neural Networks (CNNs) for plant disease classification. Utilized image feature extraction techniques to represent leaf patterns in a meaningful way. Trained and fine-tuned the model to accurately classify plant leaves as healthy or diseased with specific categories. Evaluated the model using accuracy, precision, recall, and F1-score metrics.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: C, Java , 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

CERTIFICATES / ACHIEVEMENTS

- **GSSOC'24:** Contributed to open-source projects with 8+ pull requests successfully merged, improving code quality and feature enhancements.
- **Hacktoberfest'24:** Completed the program with 5+ merged pull requests, contributing to bug fixes, documentation, and feature improvements in open-source projects.
- **Nirman 4.0:** Worked as Team Lead, guiding the team throughout the event.