

Subhransu Sekhar Rout

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EDUCATION

GITA Autonomous College

BTech in Computer Science(Data Science Specialization)

cgpa-8.75/10

Bhubaneswar, India
September 2023 - June 2027

Vivekananda Shiksha Kendra

12th Science(PCM)

percentage-83%

Bhubaneswar, India
July 2021 - May 2023

SKILLS SUMMARY

- **Languages:** Python, Javascript
- **Frameworks:** Pandas, Numpy, Matplotlib, os, tensorflow, pytorch, kivymd, react, fastapi, Django, Django rest framework
- **Tools:** MySQL, SQLite, git, github
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA
- **Soft Skills:** Curiosity and Willingness to learn, Goal-Oriented Thinking, Creativity and Problem Solving, Self-Awareness

PROJECTS

Object Detection and Activity Analysis System

- Combines **YOLOv5 object detection** with **frame analysis** for activity recognition..
- Demonstrates real-time **computer vision**, preprocessing, and **custom labeling** skills.
- Involves saving analyzed frames — shows attention to post-processing and user insights.

Blog Website with React and Appwrite (Full-Stack Project)

- Built a responsive blog platform using **React for frontend** and **Appwrite for backend services** (authentication, database, storage).
- Implemented features like user registration, login, creating/deleting posts, and real-time updates using Appwrite's APIs..
- Showcased secure CRUD operations and separation of frontend/backend

Paddy Disease Prediction using Deep Learning

- Developed a deep learning model using **CNN architecture** to classify paddy leaf diseases from image datasets.
- Preprocessed raw leaf images (resizing, normalization, augmentation) and trained on labeled disease categories..
- Achieved high classification accuracy and implemented a user-friendly **Streamlit web app** for real-time disease detection and prediction..

CERTIFICATES

Responsive Web Design | [CERTIFICATE](#)

- Mastered design skills and responsiveness by creating various responsive websites.
- Acquired expertise in color theory and build user friendly design.

Python Intermediate | [CERTIFICATE](#)

- Learned about basic frameworks like numpy, pandas, matplotlib, scipy etc.,
- Mastered data cleansing using pandas and also mastered in creating and scrapping datasets for training ML model.

ML for Beginners | [CERTIFICATE](#)

- Gained hands on experience with core ML algorithms..
- Build and evaluated basic machine learning models by performing data cleaning, feature engineering, model training, and validation on real-world datasets.