SREEJANEE MANDAL

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Education

Kalinga Institue of Industrial Technology **Oct. 2021 – May 2025(expected)**

Bachelor of Technology in Computer Science *Bhubaneswar, Odisha*

Technical Skills and Interests

Languages: Java, Python, C/C++, HTML, CSS, JavaScript, SQL
Databases: Relational Database(MySQL)
Frameworks:React, Bootstrap5
Libraries: OpenCV, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Keras, TensorFlow
Developer Tools: VS Code, PyCharm, IntelliJ IDEA, Git
Relevant Coursework: Data Structures, Algorithms Analysis, Software Methodology, Database Management System, Operating System, Object Oriented Programming, Computer Networks, AI/ML

Projects

Portfolio | *HTML, CSS, JavaScript* **May 2024**

- Designed and developed a personal portfolio to showcase projects and skills.
- Focused on responsive design and user-friendly navigation.

Realtime Facial Emotion Detection | *Python, Numpy, Pandas, Keras, OpenCV, Flask* **April 2024**

- Implemented a convolutional neural network (CNN) using Keras for emotion detection. Utilized OpenCV for real-time face detection and image preprocessing.
- Integrated the model into a Flask web application to provide a user-friendly interface. Users can upload images or use their webcam to get real-time emotion detection.

American Sign Language Detection | *Python, Numpy, Pandas, Keras, OpenCV, scikit-learn, Matplotlib* **Feb 2024**

- Developed a system to detect and classify American Sign Language (ASL) gestures using images. Created a custom dataset with approximately 400 images for each sign (A-Z and 0-9) using OpenCV.
- Implemented a deep learning model to classify ASL signs with an accuracy of 98 percent.

Twitter Sentiment Analysis | *Python, NumPy, Pandas, scikit-learn, NLTK, Seaborn, Matplotlib.* **December 2023**

- Developed a sentiment analysis model to classify tweets as positive or negative.
- Utilized various libraries for data preprocessing, feature extraction, and model training

Hackathon

Code For Good **Certificate** **July 2002**

Finalist @CFG2023 JP Morgan Chase & Co

- Worked in a team to design a game to educate children about health and Yoga.
- Developed the user authentication and Login page of the website using JWT Authentication, MongoDB, ExpressJS, NodeJS.
- Fostered open communication and collaboration, encouraging active participation and creating an enriching working environment.

Certifications

Generative AI for Beginners Certificate

CodeKaze-Sep'23 Round 2 Certificate

CodeKaze-

Sep'23 Round 1 Certificate Hackerrank Problem

Solving(Basic) Certificate

Hackerrank Problem Solving(Intermmediate) Certificate