Subham Binayak Panda

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Objective

Enthusiastic and proactive Computer Science student looking for a intern with a strong background in Data Science, Machine Learning, Natural Language Processing (NLP), and Frontend Development. Proficient in Python, data analysis, machine learning models, and frontend technologies including React.js. Eager to apply academic knowledge to real-world projects and gain practical experience through an internship. Passionate about problem-solving, learning new technologies, and contributing to impactful projects in a collaborative environment. Excited to contribute to a dynamic team while expanding technical expertise in a professional setting.

Education

2022 — **The Sristi residency higher secondary school**
Intermediate
78.4

2026 — **Centurian university of technology and management**
B.tech

Skills

- Data Science & Machine Learning Languages: Python, R Libraries/Frameworks: Scikit-learn, TensorFlow, Keras, PyTorch, Pandas, NumPy, Matplotlib, Seaborn Techniques: Supervised & Unsupervised Learning, Regression, Classification, Clustering, Neural Networks, Time Series Analysis, Feature Engineering, Model Evaluation
- Natural Language Processing (NLP) Libraries: NLTK, spaCy, Hugging Face Transformers Techniques: Text Classification, Named Entity Recognition (NER), Sentiment Analysis, Topic Modeling, Text Generation Tools:BERT, GPT-3
- Frontend Development Languages: HTML5, CSS3, JavaScript, TypeScript Frameworks/Libraries: React.js, Vue.js, Bootstrap, Tailwind CSS

Projects

- **ASL prediction**

  The ASL Prediction project is a real-time American Sign Language (ASL) translator that converts sign language gestures into text and spoken words. It aims to bridge the communication gap between the deaf and hearing communities by providing an accessible and user-friendly translation tool. The application uses a webcam to capture video, processes the video to identify hand landmarks, and then uses a machine learning model to predict the ASL gesture being performed. The predicted gesture is then used to suggest words and generate sentences
- **Weed Detection**
  This project implements machine learning models using YOLOv3 to accurately detect crops and weeds in agricultural images, enhancing agricultural efficiency by differentiating between desired plants and unwanted weeds.

- **Collaboration platform**
  The objective of this project is to create a collaborative platform that enables university students to connect with peers from the same institution to develop projects and solve real-world problems. By fostering teamwork, knowledge sharing, and interdisciplinary collaboration, the platform encourages innovation and practical learning beyond the classroom. It provides a structured space for students to form teams, manage tasks, and communicate effectively while working on academic or personal projects. Additionally, the platform helps students build a portfolio of their work, enhancing their career readiness and problem-solving skills in a dynamic, real-world setting. i only work on frontend section in this project.