

SANSKAR MAHARANA

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EDUCATION

Odisha University of Technology and Research
BTECH, Information Technology, 4th Year – 8.86 CGPA

Odisha, India
2024

DAV Public School, Unit – 8

Matriculation and Higher Secondary

Odisha, India
2020

- Matriculation – 93.4% & Higher Secondary – 87.2%

WORK EXPERIENCE

Code Clause

Data Science Intern

Jul 2023 – Aug 2023

India

- Engineered **Movie Recommendation System** using collaborative filtering techniques to recommend **10** similar movies based on user behavior.
- Formulated and Built **Credit Card Fraud Detection** algorithm utilizing machine learning techniques; achieved **95%** accuracy and reduced fraudulent transactions by **40%**.
- Set up **Breast Cancer Classification ML** model using Neural Network; arrived at model accuracy of **98.8%** on training data and **97.9%** accuracy on validation data.

TechnoHacks EduTech

Machine Learning Intern

Jul 2023 – Aug 2023

India

- Developed and implemented a highly accurate **Heart Disease Prediction** ml model using the Random Forest algorithm, resulting in a remarkable accuracy score of **90.16%**, enabling early detection and prevention of heart-related conditions.
- Classified **CIFAR-10** image dataset utilizing ml techniques; obtained test accuracy of **80.96%**.
- Build **Diabetes Prediction** Machine Learning model; accomplished model accuracy score of **0.76**.

CERTIFICATIONS

- AWS Academy Cloud Foundation Certificate
- Deloitte Salesforce Externship Certificate
- Advanced Certification in **Data Science & Artificial Intelligence** in collaboration with IIT Madras
- Crash Course on Python, Using Python to Interact with **Operating Systems**
- Python Project for **Artificial Intelligence & Application development**
- Introduction to **Statistics, Big Data Basics, Basics of JavaScript** Programming
- Introduction to Basic **Game Development** using **Scratch**.

PROJECTS

1. Movie Recommender System:

- Developed and deployed end-to-end machine learning model leveraging Python libraries - **NumPy, pandas, sci-kit-learn, NLTK**; constructed **Python API** with **Streamlit** for real-time display of results; achieving an accuracy of **85%**.
- Analyzed **TMDB-5000** dataset and created a personalized movie recommendation engine.

2. SMS-Spam-Classfier:

- Designed End-to-End model using Machine Learning and Python libraries such as **numpy, pandas, matplotlib, and nltk** that classifies input messages as spam or not; secured **98%** accuracy rate and precision of **94.6%**.

3. Customer Churn Prediction Model:

- Developed and deployed end-to-end machine learning model using Python libraries - **NumPy, pandas, sci-kit-learn, matplotlib inline**; Performed Data Visualization to get insights from the data and found the solution to reduce the customer churn.; constructed **Python API** for real-time display of results.

4. Web Translation app for conversion from French to English & English to French:

- Generated a web-based translation app that enabled seamless conversion between French and English using Python libraries, **IBM Language Translation APIs**, and **IBM Watson NLU**; reduced translation time by **50%** and improved accuracy by **25%**.

SKILLS

Python, Machine Learning, Data Science, HTML, MySQL Natural Language Processing (NLP), Deep Learning, Statistics, Jinja2, Excel, Data Analysis.