

MUSKAN KUMARI

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Education

SOA — Institute of Technical Education and Research

Bachelor of Technology in Computer Science (Specialisation in Data Science) CGPA : 9.32

2022 – May 2026

Bhubaneswar, Odisha

Higher Secondary Education(12th Grade)

Sacred Heart Convent School – GPA : 7.9

2020 – May 2022

Jamshedpur , Jharkhand

Secondary Education(10th Grade)

SriKrishna Public School – GPA : 8.3

2019 – May 2020

Jamshedpur , Jharkhand

Summary

Detail-oriented and proactive B.Tech student with a strong foundation in programming, data science, and machine learning, complemented by hands-on project experience in real-world problem-solving. Skilled in building end-to-end data-driven solutions, including recommendation systems and healthcare diagnostics, by leveraging Python, Scikit-learn, Pandas, and other modern data science tools.

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Data Analysis
- Computer Network
- Database Management
- Machine Learning
- Deep Learning

Projects

MovieLens Dataset Analysis

May 2024

- Built a movie recommendation system that suggests films based on users' previous ratings and viewing patterns.
- Analyzed movie and user data to understand preferences using Python and basic data tools.
- Used simple math-based methods like similarity scores to recommend movies users are likely to enjoy.
- Created graphs and charts to show popular genres, trends, and user behavior.

Diabetes Prediction Model

November 2024

- Created a system that predicts whether a person might have diabetes based on health records.
- Trained the model using past medical data like blood pressure, glucose level, and age.
- Compared different methods (like decision trees and logistic regression) to find the most accurate one.
- Measured how reliable the system is using simple performance checks like accuracy and precision.
- Helped identify which health factors are most important in predicting diabetes.

Technical Skills

Languages: Java, Python, C, C++, SQL

Developer Tools: PostgreSQL, MongoDB, Apache Spark, Google Cloud Platform

Technologies/Frameworks: NLP, CNN

Key Achievements

- * **Amazon ML Challenge-2024:** Finished in top 500 teams on the public leaderboard among around 10,000 teams.
- * **Data Structures:** Achieved around 1500 Leetcode contest points.