Bhumi Singh

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Profile

I am dedicated , self motivated and hardworking student with a strong passion for Artificial Intelligence. Seeking opportunities to apply my skills and contribute to innovative projects .

Education

BTECH (Computer Science and Engineering) Sep 2021 - Jun 2025
Amity University Uttar Pradesh, Lucknow

Highschool (ICSE) Jun 2019
City Montessori School, Lucknow

Intermediate (ISC) Jun 2021
City Montessori School, Lucknow

Certificates

Decision Trees, Random Forests, Bagging & XGBoost: R Studio Apr 2024
I opted this course from Udemy.
This course helped me learning theory and practical implementation of Decision Trees and Ensembling techinques in R studio. Bagging, Random Forest, GBM, AdaBoost & XGBoost in R programming

Support Vector Machines in Python Sep 2022
I opted this course from udemy ,learned about machine learning and this algorithm.

Artificial Neural Networks with keras in python and R Apr 2024
I opted this course from udemy .From this course I got a solid understanding of Artificial Neural Networks (ANN) and Deep Learning.

Projects

• ***Mushroom Classification Using Machine Learning:*** Developed a machine learning model to classify mushroom species based on various features. Utilized techniques such as feature engineering, data preprocessing, and model evaluation.

• ***Handwritten Digit Recognition Using Machine Learning:***
Implemented a digit recognition system using machine learning algorithms. Utilized image processing techniques and supervised learning algorithms for classification.

Personal details

Gender
Female

Nationality
Indian

Skills

C

C++

Data Structures

Java

machine learning

Python

Generative Artificial Intelligence

Deep learning

SQL

Natural Language Processing

R Programming

Languages

English

German

• ***Rule-Based Chatbot:*** Designed and implemented a chatbot capable of responding to user queries based on predefined rules. Integrated natural language processing techniques for understanding user inputs.

• ***Music Generation Using Recurrent Neural Networks (RNN):*** Implemented an RNN-based model to generate music sequences. Trained the model on a dataset of music compositions and evaluated the generated sequences for musical coherence.

Publication

Research paper on "Application of Machine Learning Techniques in the Classification of Mushrooms". Presented at International Conference on IoT, Communication, and Automation Technology - 2023