

# Tushar Sharma

+918791469667 | [tush28103@gmail.com](mailto:tush28103@gmail.com) | [linkedin.com/in/tushar-sharma-52338b259](https://www.linkedin.com/in/tushar-sharma-52338b259) | [github.com/Tusshaar28](https://github.com/Tusshaar28)

## EDUCATION

### B.Tech Computer Science & Engineering

Graphic Era Hill University, Dehradun

83.4%

2021-2025

## PROJECTS

### Brain Tumour Detection and Recommendation | *Python, Streamlit, Tensorflow*

- Developed a Deep Learning Model using CNN for the task of detecting and classifying Tumour, from the MRI image utilizing Tensorflow.
- Formulated a recommendation system based on LLAMA3 Model using GROQ APIs and built a web app for taking input of MRI images from Streamlit.
- Achieved an accuracy of approx 93% on the test dataset using the Model.

### Handwritten Digit Recognition Model | *Python, Artificial Neural Networks*

- Designed an Feedforward Neural network trained using Backpropagation for the purpose of identifying Handwritten Digits.
- Trained and Tested the data on MNIST Dataset containing over 70000 images of Handwritten Digits.
- Achieved an accuracy of 94% on the MNIST dataset, demonstrating the effectiveness of the model.

### Finance Tracker | *ReactJS, MongoDB, ExpressJS, ChartJS*

- Developed a Personal Finance Tracker application using the MERN stack, providing functionality for efficient deletion, display, and addition of Expenses.
- Leveraged ChartJS for Data Visualisation based on various criterias, and MongoDB for storage of the Data.
- Utilized Axios and ExpressJS to build robust communication system for efficient data retrieval and manipulation.

### House Price Prediction | *Python, BeautifulSoup, Scikit-Learn*

- Engineered a House Price Prediction model comparing between Linear and Lasso Regression algorithms.
- Compiled dataset utilizing Beautiful Soup for web scraping to gather real estate data of houses across the city of Mumbai, India.
- Achieved an 82% accuracy in predicting house prices, validated through various metrics.

## PUBLICATIONS

### A Comparative Analysis of House Price Prediction Algorithms

Presented at the IEEE 9th International Conference for Convergence in Technology (I2CT) 2024

## SKILLS

**Operating System:** Windows, Linux

**Languages:** C,C++, Python, Java, JavaScript

**Libraries:** STL ,Pandas, NumPy , Streamlit , Tensorflow

**Tech Stacks:** MERN, Machine Learning, Deep Learning

**Developer Tools:** VS Code, Visual Studio, PyCharm, Eclipse

**Database:** SQL, Relational Database, MongoDB

**Coursework:** Advance Data Structure, Object Oriented Programming, Operating System and DBMS

## ACHIEVEMENTS

- Achieved Top 2000 rank out of 1.4 Lakh participants in TCS CodeVita 2023
- Rated 1600+ on Leetcode.

## CERTIFICATION

- Machine Learning with Python (IBM 2023)
- Introduction to Cybersecurity (CISCO 2022)