



Nikhil Saini
PG (I Year II Semester)
M.Sc. Mathematics
Contact No: 7340679105
Email: nikhil_s@ma.iitr.ac.in
Registration No: 23616016/2024



Area of Interest

Data Science , Machine Learning , DSA , Design,

Education

| Year | Degree/Examination | Institution/Board | CGPA/ Percentage |
|------|--------------------------|--|---------------------|
| 2024 | M.Sc. 1st Year | Indian Institute of Technology, Roorkee | 8.333 |
| 2022 | Graduate (UG) | S.R.L.S GOVT. (PG) COLLEGE KALADERA , JAIPUR | 76.88 % |
| 2018 | Intermediate (Class XII) | Sachidanand Public Sr. Sec. School Jaipur | 78.80 % |
| 2016 | Matriculate (Class X) | Shekhawati Public Sr. Sec. School Jaipur | 78.17 % |

Projects

Heart Diseases Risk Checker | IIT Roorkee April 2024 - Present

- I have developed a heart disease risk assessment pipeline, deployed it using Docker and Streamlit for easy access. Our pipeline incorporates Preprocessing ,training and Grid Search CV to fine-tune parameters and utilizes the Random Forest algorithm for accurate predictions. This tool enables efficient and reliable assessment of heart disease risk, contributing to proactive healthcare management.

LSTM Stock Price Forecasting for 20 Securities | IIT Roorkee April 2024 - Present

- Constructed a pipeline for stock price prediction, leveraging 23 years of daily data for 20 stocks. The 3 stage pipeline is powered by an LSTM (Long Short-Term Memory) model, known for its ability to capture complex temporal patterns in sequential data. By training on extensive historical data, our model offers insights into future stock price movements, aiding investors in making informed decisions.

Mall Segmentation K-Means Clustering | IIT Roorkee February 2024 - Present

- Categorizing Mall Customers: Utilizing K-Means Clustering for Precise Segmentation. Our method analyzes Annual income and Spending score to identify distinct customer segments. This segmentation allows for tailored marketing strategies, optimized product offerings, and improved shopping experiences, driving increased foot traffic and revenue.

Awards / Scholarships / Academic Achievements

- AIR 320 IN IIT-JAM MA 2023
- Completed 21km Marathon in sagram2k24 in IIT Roorkee

Skills

| | |
|----------------------|---|
| Computer languages | C , C++ , Python |
| Software Packages | Git and Github , VS code , Numpy ,Pandas , MySql ,Matplotlib, JupyterLab, ChatGpt |
| Additional Courses | Python For Data Science and AI development (Coursera) , Python Project For Data Science (Coursera) , Supervised Machine Learning: Regression and Classification by Andrew Ng (Coursera) |
| Minor/Honors Courses | Linear Algebra , Calculus |
| Languages Known | English ,Hindi |

Positions of Responsibility & Extra Curriculars

Freelancer Graphic Designer | fiverr , Peopleperhour June 2021 - December 2022

- I made graphics , facebook ads for small business