



Rishav Sharma
 UG (IV Year II Semester)
 B.Tech. (Civil Engineering)
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 Registration No: 18113110/2023



Area of Interest

Machine Learning, Data Analytics, Probability and Statistics

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2022	B.Tech. 4th Year	Indian Institute of Technology, Roorkee	7.896
2018	Intermediate (Class XII)	RAJENDRA CONVENT H.S. SCHOOL NO. 2, BHIND (MADHYA PRADESH STATE BOARD)	87.60 %
2016	Matriculate (Class X)	RAJENDRA CONVENT SCH. SHASTRI NGR COLONY, BHIND (CENTRAL BOARD OF SECONDARY EDUCATION)	9.000

Internships

Summer Internship | Intelligence Node (Mumbai) June 15, 2020 - July 31, 2020

- Developed a Classification model using the Decision Tree algorithm to enable automated identification of patterns
- Matched products and ranked them on the basis of likelihood from the search pool
- Implemented feature-engineering to create new features and defined the target variable by performing EDA
- Used KNIME for data visualization to understand the correlation of input features on the results

Tech Intern | Turtlemint February 2021 - May 2021

- Developed a Recommendation system using textual and youtube data as per the user activity
- Calculated the similarity score between each item using cosine similarity
- Developed an ML model to predict the next 5 actions for a user on the company's website based on the last activity
- Created transition matrices using the principle of Markov chain analysis to achieve the target

Projects

Survey Camp | IIT Roorkee | Geomatics Engineering November 23, 2019 - December 07, 2019

- Surveyed the Khanjarpur region with a team of 12 members and proposed solutions for the identified problems
- Collected data using modern surveying instruments like Electronic Total Station (ETS) and DGPS
- Identified settlement patterns, essential utilities for economically weaker sections, and problems related to the processing of municipal solid waste and sewerage networks

Stock Price Prediction | The Sparks Foundation December 2020 - January 2021

- Created a hybrid model for stock price prediction using numerical analysis
- Analysed historical stock prices, and performed sentiment analysis for modeling
- Implemented techniques like Word2Vec, BagofWords to convert textual data into vectors for modeling

Awards / Scholarships / Academic Achievements

- JEE Advanced (2018): AIR - 4620
- JEE Mains (2018): AIR - 1574

Skills

Computer languages Python, C++, SQL, HTML
 Software Packages Jupyter Notebooks, Spyder, MS-Office, Kite
 Additional Courses Machine Learning By Andrew Ng, SQL for Data Science, Statistics & Probability, Python for Data Science(Cognitive Class), Economics, Communication Skills,
 Languages Known Hindi (SRW), English (SRW)

Positions of Responsibility & Extra Curriculars

Joint Secretary | Choreography and Dance Section, IITR April 2019 - July 2020

- Managed a team of 50+ members to participate in various dance events
- Winners & First Runners Up in Inter-IIT Group Dance Event in 2018, and 2019 respectively
- Contributed to promoting dance culture in the campus by successfully organizing workshops

Volunteer Member of NSS (Enkindle) | NSS August 2018 - May 2019

- Part of the Video making team of Enkindle which made videos on various topics for JEE aspirants
- Contributed as a volunteer in Blood Donation Camp organized by NSS, IIT Roorkee

References

Indrajit Ghosh
 Associate Professor
 Indian Institute of Technology, Roorkee
 indrajit.ghosh@ce.iitr.ac.in

Sourabh Arora
 Assistant professor
 Indian Institute of Technology, Roorkee
 sourabh.arora@ms.iitr.ac.in