



Kampa Rithik

UG (IV Year I Semester)
B.Tech. (Metallurgical & Materials Engineering)
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Registration No: 20118038/2024

Indian Institute of
Technology
Roorkee



VERIFIED

Area of Interest

Data structure and algorithms, Competitive Programming, Machine Learning, C++, Python,

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2023	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	6.360
2020	Intermediate (Class XII)	Narayana Jr. College	93.00 %
2017	Matriculate (Class X)	Tejaswi High School	9.800

Internships

Equity Markets Analyst | Finlatics

June 2023 - September 2023

- Created, managed, and maintained a real-time simulated portfolio using fundamental and technical analysis on BSE 500 listed businesses. The simulated portfolio was assessed by linking it to the real time BSE 500 index. Conducted sector wise and company wise research for mid-cap and large-cap companies in the healthcare and technology sectors on the Indian Economy.

Software Developer | Exposys Data Labs

June 2023 - July 2023

- Developed an E-Learning Web Application Platform by adding features like model inheritance, custom model fields, class-based views, and manage groups and permission.

Investment Banking Analyst | Finlatics

June 2023 - September 2023

- I worked on analyzing the Project on Founder Profiling, Convertible Note based Investing, Customer Lifetime Value & Customer Acquisition Cost based Modelling, Setting up of a Private Equity Fund, and Analyzing Exit Strategies of PE Funds and generating Analyzed Reports Based on the Performance of respective Projects.

Projects

Solving Boolean SAT Problem using Grover's Algorithm | IIT Roorkee

May 2022 - July 2022

- To determine all the input combinations into a Boolean function such that the output is true and this is done by Grover's Algorithm.

Comparison of Different Algorithms Performance on Heart Disease Data Set | Self Project

October 2022 - December 2023

- In this Project we Imported the required libraries and Dataset
- We Pre-Processed the Data and handled the missing values and converted categorical values into num vals.
- We did Exploratory Data Analysis and based on corr we have done feature engineering and when the data set is all processed
- We split the data into train and test.
- Logistic, Naive Bayes, K-n Classifier, SVC, Decision trees, random forest, multilayer perceptron these are the algorithms used for prediction.
- The performance of these algorithms are compared and evaluated.
- RF performed the better in all categories.

Bigmart Sales Prediction using Machine Learning Algorithms | Diginique Tech Labs

July 2023 - September 2023

- The data was preprocessed by handling missing values and dropping the target variable "Item Outlet Sales."
- Feature engineering was performed on numerical data using correlation analysis. Categorical values were one-hot encoded, and the data was normalized using Standard Scaling.
- The dataset was then split into training and testing sets. Linear Regression, Decision Trees, and Random Forest models were applied, with Random Forest outperforming the others.
- Hyperparameter tuning was done using GridSearchCV, and the best model (Random Forest) was imported. The test data was preprocessed similarly and used for predictions with the best model.

Awards / Scholarships / Academic Achievements

- Certified Intermediate Problem Solver by HackerRank
- Successfully completed Half-Marathon (21 KM) 2022 and 2023

Skills

Computer languages	Data Structure and Algorithms C++ Python SQL
Software Packages	Visual Studio Code Git Hub Bootstrap MS office Pycharm
Additional Courses	Communication Skills Economics Innovation and Business Models Machine Learning
Languages Known	Hindi (SRW), English (SWE), Telugu (SWE)

Positions of Responsibility & Extra Curriculars

Associate Co-ordinator | Placement and Internship Cell

May 2022 - Present

- Point of contact of companies and students

Team member | Weight-lifting

March 2022 - Present

- Weight-lifting is a sport in which athletes compete in lifting a barbell loaded with weight plates from the ground to overhead, with each athlete vying to successfully lift the heaviest weights.

Cadet | NCC

November 2021 - July 2022

- IIT Roorkee offers the students an opportunity to be a part of NCC. Presented the Guard of Honor to the Director of our
- Institute on Independence Day and B-Certificate holder. Undertook various Awareness rallies and Informational trips to
- Army Cantonment to instill a sense of pride for our nation.

References

Dr. Vinay Sharma

Professor

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Debrupa Lahiri

Associate Professor

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