



ACADEMIC QUALIFICATIONS

Year	Degree	Institute
2021-2025	B.Tech	Indian Institute of Technology Roorkee
2020	Intermediate -CBSE	St. Vivekanand Public School ,Sadabad (UP)
2018	High School -CBSE	St. Vivekanand Public School ,Sadabad (UP)

WORK EXPERIENCE

NullClass (Designation: Data Analyst Intern)

(Aug 2024 - Sept 2024)

Responsibility: Developed a sales dashboard using SQL and Power BI.

- Analyzed AtliQ's challenges and developed data-driven strategies to boost sales and close revenue gaps.
- Designed and implemented an interactive, sales dashboard using SQL and Power BI, providing comprehensive insights into sales trends, customer behavior, and revenue patterns.
- Equipped the sales director with dynamic, data-driven insights, enabling informed decision-making that improved operational efficiency, optimized sales strategies, and drove business growth.

Ybi Foundation (Designation: Business Analytics Intern)

(June 2024 - July 2024)

Responsibility: Developed a fraud detection system to mitigate revenue losses.

- Analyzed sales team challenges and determined that manual fraud detection led to significant revenue losses and inefficiencies.
- Developed a Random Forest-based Fraud Detection System, achieving 99% accuracy, 97% recall, and an F1-score of 0.94, significantly enhancing fraud detection capabilities.
- Automated fraud detection reduced financial losses, improved operational efficiency, and strengthened transaction security.

PROJECTS

Pharma Employee Retention Insights & Prediction(Business Society, IIT Roorkee)

(June 2024 - July 2024)

- Built a Random Forest model with 83% accuracy to predict employee retention, enabling data-driven decision-making.
- Identified key turnover factors, including age, income, and work-life balance, accounting for 25% of attrition.
- Recommended retention strategies that reduced hiring costs by 15% and improved workforce stability.

Stock Sentiment Analysis Using Machine Learning (Finance Club, IIT Roorkee)

(Jan 2024 - Feb 2024)

- Developed predictive models for Amazon and Tesla stock prices using advanced machine learning techniques.
- Integrated financial news insights through web scraping and VADER sentiment analysis to enhance prediction accuracy.
- Random Forest outperformed Logistic Regression and SVM, achieving the highest accuracy (0.55 for Amazon, 0.5917 for Tesla).
- Analyzed Neural Networks' performance, achieving an accuracy of 0.5167 for Tesla and 0.55 for Amazon.

Loan Eligibility Status Prediction System

(Sept 2024 - Oct 2024)

- Build a loan approval predictive system based on socio-economic factors, eg employment details, marital status, etc
- Imputed null value, encoded categorical variables, and performed **feature engineering** to create new features
- Used **standard scaling** on independent variables, trained model, and used test data performance to avoid overfitting
- To further refine the models, performed **hyperparameter tuning** using **Randomized Search Cross Validation**

TECHNICAL SKILLS

- Applied Machine Learning • Natural Language Processing • Data Structure and Algorithms • Python • Probability and Statistics • Pandas • SQL • Advanced Excel • Powerpoint • NumPy • Power BI • Data Modeling • Data Analysis Expressions(DAX)

POSITIONS OF RESPONSIBILITY

Metallurgical & Materials Engineering Society, IIT Roorkee (Designation:Events Head)

(July 2024 - Present)

- Showed strong leadership and event management by organizing important events for the Metallurgical & Materials Engineering Society, such as farewells, orientations, sports events, and workshops.
- Worked closely with different teams and handled logistics to make sure all events ran smoothly without any issues.

Athletics, IIT Roorkee (Designation:Team Member)

(July 2023 - Present)

- Exhibits exceptional athletic skill and consistently contributes to team performance through strong teamwork and collaboration.
- Demonstrates dedication, discipline, and a strong work ethic, always striving for both personal and team excellence.

AWARDS / ACHIEVEMENTS

- **HoD's Appreciation Award (Academic Session 2021-2022):** Recognized for outstanding academic performance and contributions.
- **Gold Medalist in Long Jump:** Won the gold medal in long jump at **Udghosh'23, IIT Kanpur's annual sports meet.**
- **Gold Medalist in Long Jump:** Secured first place in the long jump event at **IIT Roorkee's annual sports meet.**
- **Gold Medalist in Long Jump (Color Trophy 2024, 2025):** Achieved first place in the long jump event for two consecutive years in the prestigious Color Trophy competition.
- **Gold Medalist in Long Jump (Inter Bhawan 2024, 2025):** Secured first place in long jump at the Inter Bhawan sports competition for two consecutive years.
- **Gold Medalist in Cricket (Metes Cricket League 2024):** Contributed to the championship-winning team in the Metes Cricket League, showcasing sportsmanship and strategic gameplay.
- **Gold Medalist in 4×100m Relay (Color Trophy 2024):** Part of the winning relay team in the 4×100m race, demonstrating teamwork and speed.