



**Rishi Gautam**  
Bachelor of Technology  
in Civil Engineering  
Indian Institute Of Technology, Ropar

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## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	7.25 (Till 5th Sem)	2022-2026
Senior Secondary	Central Board of Secondary Education	92.4%	2022
Secondary	Central Board of Secondary Education	94.6%	2020

## EXPERIENCE

- **Encryptix** June 2024 - July 2024
  - One month virtual internship in Machine Learning
  - helped me to use the concepts of different types of Machine Learning models like Logistic Regression, Decision Trees, Random Forests, and SVM.

## PROJECTS

- **Credit Card Fraud Detection** June 2024 - July 2024  
*Machine Learning, Python* **Github**
  - Trained a ML model to detect fraudulent credit card transactions using algorithms like Logistic Regression, Decision Trees, and Random Forests to classify transactions as fraudulent or legitimate.
- **Spam SMS Detection** June 2024 - July 2024  
*Machine Learning, Python* **Github**
  - Trained a ML model that can classify SMS messages as spam or legitimate.
  - Used techniques like TF-IDF or word embeddings with classifiers like Naive Bayes, Logistic Regression, and Support Vector Machines to identify spam messages.
- **Data Collection and Analysis for Transport Modelling** January 2025 - Present  
*Academic Project, Civil Engineering*
  - Collected pedestrian accessibility data for metro stations as part of semester coursework
  - Analyzing dataset to identify key attributes affecting walking accessibility using Python and Pandas
  - Aim to propose infrastructure improvements based on statistical analysis of collected data

## TECHNICAL SKILLS

- **Data Science & ML:** Python, Machine Learning (Logistic Regression, Random Forests, SVM), Deep Learning, SQL, Power BI, Data Visualization
- **Libraries & Tools:** NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Plotly, Jupyter, OpenCV
- **Civil Engineering Tools:** AutoCAD, STAAD.Pro, SAP2000
- **Currently Learning:** Time Series Analysis, CI/CD Pipelines, Prompt Engineering

## KEY COURSES TAKEN

- **Core Civil Engineering:** Reinforced Concrete Design, Structural Analysis, Fluid Mechanics, Soil Mechanics, Geomatics, Material Science
- **Data & Computer Science:** Probability & Statistics, Linear Algebra, Data Structures, Summer Analytics (IIT Guwahati), Machine Learning Fundamentals
- **Additional Skills:** Advanced Excel, Statistical Modeling

## POSITIONS OF RESPONSIBILITY

- **Event Coordinator,** ATHLETICS, in AAROHAN, Annual Sports Fest, IIT Ropar 2024
- **Volunteer,** in AAROHAN, Annual Sports Fest, IIT Ropar 2023
- **Volunteer,** in Inter Year Sports Championship, IIT Ropar 2023
- **Member,** Coding Club, IIT Ropar 2023

## ACHIEVEMENTS

- **Winner,** in Bridge Making Competition, Cesafiesta 2.0, Civil Engineering Symposium, IIT Ropar 2024
- **Silver Medal,** in 100m sprint, Inter Year Sports Championship, IIT Ropar 2024
- **Gold Medal,** in 4x100m relay, Inter Year Sports Championship, IIT Ropar 2024