



# Rishi Gautam

Bachelor of Technology  
in Civil Engineering  
Indian Institute Of Technology, Ropar

+91-6378126854  
2022ceb1028@iitrpr.ac.in  
GitHub | Portfolio  
LinkedIn

## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	7.49 (Till 6th Sem)	2022-2026
Senior Secondary	Central Board of Secondary Education	92.4%	2022
Secondary	Central Board of Secondary Education	94.6%	2020

## EXPERIENCE

- Crashfree India (CARS24)** *July 2025 – Present*  
*Infrastructure Intern* Remote
  - Leveraged data collection techniques, including field visits and RTI filings, to identify and map accident-prone blackspots.
  - Applied survey design and stakeholder engagement skills to gather qualitative data for Road Safety Audits.
  - Future work involves solution design, cost-benefit analysis, and presenting interventions to local authorities.
- Connectify** *May 2025 – Present*  
*Data Solutions Developer* Kota, Rajasthan (Remote)
  - Engineered and deployed a custom, full-stack Caller CRM using Node.js and HTML/CSS on platforms like Netlify.
  - Developed a separate suite of web automation tools using Python and Selenium to collect client and market data.
  - Future work involves applying data science techniques to build predictive models from the collected data.
- Encryptix** *June 2024 - July 2024*  
*Machine Learning And Data Science Intern* Remote
  - Developed ML models for key business problems, including a customer churn predictor and an NLP-based spam SMS detector. For projects, see GitHub.

## PROJECTS

- Call Management System** *July 2025 - Present*  
*Node.js, PostgreSQL, JavaScript, HTML/CSS* **GitHub**
  - Developed a full-stack CRM with a Node.js backend and vanilla JS frontend to automate call distribution workflows.
  - Managed the end-to-end deployment of the PostgreSQL database on Render and the static frontend on Netlify.
- AI-Powered Portfolio Website** *Portfolio*  
*Personal Project* **GitHub**
  - Designed and built a fully responsive personal website using HTML, modern CSS, and Bootstrap to create an appealing UI.
  - Engineered an AI chatbot via the Llama 3 API to provide visitors with interactive, context-aware answers about my work.
- EV Adoption Data Modelling** *July 2025 - Present*  
*Project under Dr. Rahul T.M, IIT Ropar*
  - Developing a predictive model to forecast Electric Vehicle adoption trends by analyzing consumer and market data.
  - Applying statistical methods in Python to evaluate the impact of key variables like cost and infrastructure.
- Transportation Modelling for Chandigarh Metro** *Jan 2025 - Apr 2025*  
*Project under Dr. Rahul T.M, IIT Ropar*
  - Contributed to a team study on metro accessibility by modeling survey data from 800+ individuals using an MNL model.
  - Leveraged Biogeme (Python) for statistical analysis to translate commuter preferences into infrastructure recommendations.

## TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript, SQL, C
- Artificial Intelligence & Data Science:** Machine Learning, Predictive Modelling, NLP, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn
- Web Dev & Databases:** Node.js, Express.js, PostgreSQL, REST APIs, HTML, CSS
- Tools & Platforms:** Git, GitHub, Render, Netlify, Excel, Power BI

## KEY COURSES TAKEN

- CSE & Maths:** Probability & Statistics, Differential Equations, Calculus, C & Data Structures, Industrial Management
- Data Science & ML:** Summer Analytics 2024 (**IIT Guwahati**): Covered Data Cleaning, ML Algorithms, Feature Engineering, & ANNs.
- Others:** AutoCad, Transportation Engineering, Steel Structures, Foundation Engineering, Earthquake Resistant Design, Reinforced Concrete Structures, Structure Analysis, Fluid Mechanics, Geomatics, Soil Mechanics

## 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*

## 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*