



**Srihith Bansal**  
Bachelor of Technology  
in Electrical Engineering  
Indian Institute Of Technology, Ropar

+91-8528072516  
GitHub  
Linkedin  
srihith41@gmail

## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	7.54 (Till 6th Sem)	2025
Senior Secondary	Central Board of Secondary Education	90.8%	2021
Secondary	Central Board of Secondary Education.	92.2%	2019

## EXPERIENCE

- Accenture** May 2024 - July 2024  
*Software Engineering Intern* Bengaluru ,India
  - Developed and refined AI pipelines using advanced techniques such as Retrieval-Augmented Generation (RAG) and Large Language Models (LLMs), enhancing the platform's capabilities in natural language processing.
  - Improved the usability and functionality of a no-code platform by resolving issues in built-in drag-and-drop components using TypeScript, enabling non-technical users to easily build chatbots.
  - Contributed innovative ideas for new components to further enhance the platform's capabilities.
  - Ensured that it remains accessible to users with varying levels of technical expertise.
  - Technologies Used: Typescript , Python , Flowise

## PROJECTS

- Data Compression** May 2023  
*Individual Project* Github
  - Project aims at compressing text to optimise storage of files.
  - Using Huffman Algorithm is encrypted and compressed without losing any of its details.
  - Compression ratio of 40% was achieved when tested on literature data and 16% on randomly generated data.
- Diagnostic-I** May 2023  
*Team Project* Github
  - Diagnostic-I is a one stop point for the medical diagnosis made both for the patient and the doctor's help.
  - It checks for various problems like Mental health, bone issues, etc.
  - Developed its core Frontend.
  - It is integrated with the ML models which was trained using the CNN algorithm.
  - Tech stack includes JavaScript, ReactJS, Python, OpenCV, Tensorflow.
- Live-Web-Chat-Application** August 2024  
*Individual Project* Github
  - Developed a real-time chat application allowing registered users to send text and images, with login via username and password.
  - Features include group chat, media sharing (photos, PDFs), and user profiles with customizable avatars.

## TECHNICAL SKILLS

- Programming Languages:** C++, Python, HTML, CSS, Javascript, SQL
- Frameworks and Libraries:** ReactJS, NodeJs, PostgreSQL
- Tools:** VS Code, Github, Arduino IDE, MATLAB

## KEY COURSES TAKEN

- CSE & Maths:** Introduction to Computing and Data Structures, Data Structures and Algorithms, Database Management System, Probability and Stochastic Processes, Calculus, Linear Algebra, Differential Equations, Linear Algebra, Integral Transforms And Special Functions
- Others:** International Economics and Finance, English Language Skills, Digital Circuit, Signals and Systems, Communication Engineering, Controls Engineering, Basic Electronics

## POSITIONS OF RESPONSIBILITY

- ISMP Mentor** ,Institute Student Mentorship Program (ISMP), IIT Ropar Nov, 2022 - May, 2023
- Co-Head - Chess Club**, Aarohan, IIT Ropar Feb 2023 - March 2023

## MISCELLANEOUS

- Expert**,Codeforces (Max Rating - 1688), ID -SrihithBansal 2023
- 3 stars**,Codechef (Max Rating - 1766), ID - SrihithBansal 2023
- Codeforces**, Ranked 356 in Codeforces Round 878 (Div. 2) among 20K+ participants 2023
- Codechef**, Ranked 84 in Starters 94 (Div.2) among 10K+ participants 2023
- Advitya**, Ranked 1 in Maths Arena Advitya, a team maths competition, with participation from various colleges 2023
- JEE Mains**,AIR 1658 out of 10 lakh+ students 2021