



**Satya Namani**  
Bachelor of Technology  
in Computer Science 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	7.35 (Till 4th Sem)	2021-2025
Senior Secondary	Telangana State Board of Intermediate Education	98.2%	2021
Secondary	Central Board of Secondary Education	95.6%	2019

## PROJECTS

- **RISC-V Simulator** Mar 2023 - Apr 2023  
*CS204 Project* **Github**
  - Worked in a group of four to build a 32-bit assembly code simulator which can process and execute instructions in both single cycled and pipeline modes of execution
  - Specifically contributed to Memory Access and Write-Back phases of execution
- **B- Compiler** Apr 2023 - Apr 2023  
*CS202 Project* **Github**
  - Built a pseudo compiler for a toy language similar to BASIC
  - Used Flex & Bison to generate lexical analyser (or scanner) and syntax analyser (or parser) that can recognize source of code of programming language
- **Treaps** Nov 2022 - Dec 2022  
*CS201 Project* **Github**
  - Implemented an effective randomized binary search tree in C++ with multiple functions which have same expected time complexities

## TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python, Java
- **Version Control:** Git
- **Framework:** Java Spring Framework, Java SpringBoot

## KEY COURSES TAKEN

- **CSE & Maths:** Algorithm & Data Structure, Discrete Math, Computer Architecture, Programming Pragmatics & Paradigms, Digital Logic Design, Probability & Statistics, Linear Algebra

## POSITIONS OF RESPONSIBILITY

- **CounselGrid Pvt. Ltd.**, Working on a startup to provide online legal services and support in rural areas 2023
- **Coordinator**, Alankar, IIT Ropar Sep. 2021 - Apr. 2022

## MISCELLANEOUS

- **JEE Main**, Ranked in the top 1% of the candidates 2021
- **CounselGrid Pvt Ltd**, Working on a startup to provide online legal services and support in rural areas 2023
- **Jukebox Jamboree, Zeitgeist**, Placed 3rd in Instrumental Solo competition 2023
- **General Championship '22**, Placed 2nd in Octavia Instrumental Solo competition 2022
- **Music Certification**, Plectrum Guitar Grade 5, Trinty College of London 2017