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, HTML, JavaScript
- **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, Computer Graphics

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*
- **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*