

# Ayush Raj

Indian Institute of Technology, Goa

Second Year **Undergraduate, Computer Science and Engineering**

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Portfolio: **Ayush Raj**

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Github: **Ayush-IITGoa**

## Education

<b>BTech, Computer Science and Engineering</b> , Indian Institute of Technology Goa	CGPA : <b>7.92/10</b>	2023 – Present
<b>Class 12, CBSE</b> , Sita Saran Memorial School, Hilsa	Aggregate: <b>91.8 %</b>	2020 – 2022

## Experience

**Inter IIT Competitive Programming Conclave (IICPC) Summer Camp** [\[Certificate\]](#) (May 2024 – July 2024)

- Covered basic and advanced concepts of Data Structure and algorithm using C++ .
- Mentored by team of Grandmasters and International Masters on Codeforces in competitive programming .
- Under this summer camp, participated in multiple global contest hosted on codeforces.
- Collaborated with programmers across the country for solving tasks related to programming.

## Projects

**Fraud Detection System**[\[Github\]](#) October 2024

- Developed Fraud Detection System (Team Project): Collaborated with a team to design a solution for detecting and categorizing fraudulent online platforms.
- SSL Certification Verification: Implemented SSL certificate validation to verify the legitimacy of websites.
- Text Extraction and Contact Number Analysis: Worked on extracting contact information (such as phone numbers) from websites to identify suspicious patterns and flag potential fraud.
- Database Integration with Goa Police: Integrated with the Goa Police database to cross-reference known fraudulent websites, adding new suspected websites and their extracted contact details to the database for ongoing monitoring.
- Explored Machine Learning Model Implementation: Contributed to the exploration of machine learning techniques for potential future use in classification.

**Student Management System** [\[Github\]](#) (Jan 2024 – April 2024)

- Collaborated in a team of 5 to develop a web-based course registration system.
- Implemented a communication platform that enables interactions between students and professors.
- Utilized HTML, CSS, and JavaScript for the frontend development of the project.

## Skills

<b>Computer Skills:</b>	C, C++, Python, Linux(Ubuntu), Flask, PyTorch, TensorFlow, HTML, CSS, JavaScript, LaTeX, VHDL, R, AutoCAD, Git, Github
<b>Electrical Software Skills:</b>	AutoCAD, LaTeX, MS Word, MS Excel., Linux, Git, Github..
<b>Relevant Coursework</b>	Data Structures and Algorithms, Digital circuit and design, Probability and Statistics, Software Tools, Introduction to Programming (using Python)
<b>Financial Skills</b>	Completed finance course (FNC-102) under finance club of IIT Ropar <a href="#">[Certificate]</a>

## Positions of Responsibility

<b>Chess Representative</b>	Chess Representative of chess club of IIT Goa	(2024 – Present)
<b>Student Mentorship Program</b>	Selected to mentor Students at IIT Goa	(2024 – Present)

## Achievements

- Achieved a team rank of 661 in ICPC prelims 2024
- Team got selected among 32 finalists for Goa Police Hackathon '24 among over 100 participants and achieved 2nd position in respective problem statement.
- Achieved 1st position in Chess in Chakravyuh (Annual sports fest) of IIT Goa.
- Achieved 1st position in both edition of cricket quiz ( 2023 and '24 ) held in IIT Goa

## Extracurriculars & Hobbies

- Captain of the IIT Goa Chess Team, representing IIT Goa at Inter IIT Sports Meet 2024, held at IIT Indore, with participation from all 23 IITs.
- Represented Quiz team of IIT Goa at Inter IIT Cultural Meet 2024 held at IIT Patna.
- Playing chess, also an active member of the chess club of IIT Goa.
- Organised multiple inter-college Chess tournaments.
- Regularly participate in competitive programming and part of coding community.