

Rachamalla Hindusree

Indian Institute of Technology, Goa

Third Year **Undergraduate, Computer Science Engineering**

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Education

BTech, Computer Science Engineering , Indian Institute of Technology Goa	CGPA : 8.51/10	2021 – Present
Class 12, TSBI , Sri Chaitanya High school, Andhra Pradesh	Aggregate: 97.6 %	2018 – 2019

Projects

Campus Map, IIT Goa [\[Github\]](#)

(May 2023 – Jul 2023)

[Supervisor – Dr. Clint P George]

- Led the project, the project was allocated to a consisting of two members
- The primary function of this application is to allow new students to find a path between two locations.
- The application enables students to search for locations in the vicinity of IIT Goa, filter specific types of buildings.
- We developed the campus map of IIT Goa using React and npm.

Base Converter [\[GitHub\]](#)

(Feb 2022)

- The code converts the base of the given numbers.
- One can perform addition, subtraction, multiplication, and division on those numbers, and the code provides the answers in the converted base.
- Coded using C++.

Architecture of some Popular Applications [\[Report\]](#)

(Mar 2023)

- As part of the Computer Networks course, I completed a project focused on the architecture of some essential applications.
- In this project, I studied and presented the architecture of three well-known social websites: Whats App, YouTube, and Google Meet.
- The report provides a comprehensive and detailed explanation of all the protocols used, their functionalities, and their significance in enhancing the performance and user experience of the applications.
- It explains why these protocols are essential and how they efficiently handle and manage data from multiple users in the social websites Whats App, YouTube, and Google Meet.

Web page on Wildlife [\[Github\]](#)

(Jun 2022)

- As part of a course project at my institute, I developed a website focused on wildlife.
- The web page comprises a Home page and two additional pages.
- The pages contain comprehensive information and captivating videos featuring rare animals from various continents across the world.
- Coded the whole Web page using HTML and CSS.

Expense Tracker [\[Mini Project\]](#)

(May 2023)

- This application stores data related to the expenses made by an individual.
- On the home screen, there is an "Add Expense" button that allows users to input their expenses. The application prompts the user to provide details such as the expense title, price, and date of the expense.
- When the user wants to review their expenses for a specific year, the application displays charts showcasing their monthly expenses.
- The application is developed using React.

Investment Calculator [\[Mini Project\]](#)

(Jun 2023)

- This investment calculator computes the Total Savings, Interest (Year), Total Interest, and Invested Capital.
- By entering their current Savings, Yearly Savings, Expected Interest (per year), and Investment duration (in years), the user can obtain the above-mentioned values using this investment calculator.
- The application is developed using React.

Skills

Programming Skills:	C, C++, Python, HTML, CSS, JavaScript, React, SQL, Haskell
Electrical Software Skills:	AutoCAD, Solid works, Latex, MS Word, MS Excel, Linux, Git, Github..
Computer Skills:	Latex, AutoCAD, VHDL, Vivado, QtSpim, Wireshark.
Relevant Coursework	Data Structures and Algorithms, Software Tools, Digital System Design, Computer Networks, Computer Architecture

Positions of Responsibility

Cultrang Crew Member	I was a member of the Ambience and Registration team during the Cultrang event hosted at IIT Goa.	(2022 – 2023)
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Achievements

- I achieved a Silver Medal in both the National Science Olympiad and the International Maths Olympiad. (2015)
- I secured the first prize in the Hindi essay writing competition held during the Hindi Pakwada event organized at IIT Goa. (2022)
- Achieved a commendable rank around 1400 in Telangana State EMCET and an impressive rank around 1200 in Andhra Pradesh State EMCET, outperforming over 3 lakh participants. (2021)

Extracurriculars & Hobbies

- I actively engage in playing badminton and have participated in numerous sports tournaments held at IIT Goa.
- In my leisure time, I enjoy engaging in hobbies such as playing carrom board and drawing.
- I have actively participated in multiple cultural events in college.
- I took part in a yoga event held on the occasion of International Yoga Day.