





Sach Thadani

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ABOUT

A third-year undergraduate student specializing in Data Analytics, Artificial Intelligence, and Computer Vision. Possesses robust problem-solving abilities, complemented by effective communication skills. Eager to leverage these competencies to drive positive change and innovation.

EDUCATION

Vellore Institute of Technology, Chennai Campus

August 2025

Bachelor of Technology in Computer Science with specialization in Cyber Physical Systems

Current CGPA: 8.85/10

Airport School

June 2021

Percentage: 70%

SKILLS

Languages: C/C++, Java, Python, R, Matlab

Tools: Git/GitHub, VS Code, Azure ML Studio, Pycharm, Google Colab

COMPETITIVE CODING

CodeChef | *1441 rated*

The link to my profile can be found [here](#).

LeetCode | *1456 rated*

The link to my profile can be found [here](#).

PROJECTS

Chess Bot | *Python, NegaMax algorithm, Tkinter, Git, VS Code*

- Developed a chess bot capable of intelligently playing the game of chess.
- Constructed from scratch utilizing the Nega-Max algorithm.
- Integrated Alpha-beta pruning for performance enhancement.
- Employs standard chess heuristics for decision-making.
- Capable of outplaying most human opponents.
- GitHub link to the project is [here](#).

Pushup and Pullup Detector | *Python, OpenCV, Mediapipe, Git, VS Code*

- Developed a tool to analyze video input of individuals performing pushups and pullups.
- Utilized OpenCV for video processing and analysis.
- Assessed the correctness of the exercise form.
- Provided feedback on the proportion of correctly performed exercises.
- GitHub link to the project is [here](#).

Spam Detector | *Python, Naive Bayes classifier, Git, VS Code*

- Developed a spam detection system.
- Utilized the Naive Bayes classifier for categorization.
- Achieved high accuracy in identifying spam messages.
- GitHub link to the project is [here](#).

Sudoku Solver | *Python, Backtracking, Tkinter, Git, VS Code*

- Developed a Sudoku puzzle solver using the backtracking algorithm.
- Ensures efficient solution for any solvable Sudoku puzzle.
- Incorporated Python's Tkinter for enhanced visualization and user interaction.
- Guarantees solution in a reasonable amount of time.
- GitHub link to the project is [here](#).

EXPERIENCE

Microsoft Innovation Club(MIC) | *Member*

2021 – Present

Learning a lot by being around a large group of peers with similar interest.

TALENTSHIP GLOBAL | *Data Analyst*

August 2023 – Present

I provide useful insights to MSMEs on case to case basis to solve any sort of difficulty that they are facing in sustaining their business.