



# SATAKSHI

📞 8987283130 ✉ [sinha.satakshi04@gmail.com](mailto:sinha.satakshi04@gmail.com)  [Satakshi.](#)  [Sats500](#)

## Education

**Indian Institute of Information Technology Design and Manufacturing**

**Kurnool**

*Bachelor of Technology in Computer Science*

*Dec. 2020 – July 2024*

## Experience

**Microsoft Engage'22**

**May 2022 – August 2022**

[Code](#)

- Selected among the top students from India by Microsoft for their **engage program 2022**. Engaged with highly skilled engineers at Microsoft, gaining valuable insights and mentorship.
- Developed a data analysis application called Cars4ever using **Python** and various libraries. Hosted the Cars4ever app on **Streamlit**, providing users with an interactive platform to analyze car-related data.
- Explored and utilized **Power BI**, a powerful data visualization tool, to enhance the project's data presentation capabilities.
- Collaborated effectively with team members, fostering knowledge sharing and learning opportunities. Expanded my skill set in Python, **data analysis**, and visualization techniques.

## Projects

**Sudoku solver** | *C++, React*

[Code](#)

- Developed a React application in JavaScript for solving 9x9 Sudoku puzzles instantly.
- Optimized the backtracking algorithm using the Tail Recursion method to solve Sudoku grids with limited stack space.
- Ensured seamless deployment of the Sudoku solving application on Netlify, a popular hosting platform.

**TODDLES** | *HTML, CSS, JS*

[Code](#)

- Created using html,css and javascript.
- It's a TODO APP and let's you create tasks,delete tasks and update.
- All CRUD Applications are covered

**A-star Path visualizer** | *Python*

- Implemented the A-star algorithm, a popular graph algorithm used for pathfinding, in the application.
- Utilized the Euclidean distance as a heuristic function to guide the search towards the goal.
- Assigned different color to visited cells, currently visiting cells and to the final path to visualise the path

## Technical Skills

**Languages:** Proficient with C/C++, Data Structures and Algorithms Familiar with Python,SQL

**Web Development:** HTML/CSS, Javascript, React, Nodejs

**Databases:** MongoDB

## Achievements

**Codechef:**Secured a global rank of 71 among more than 12,000 participants in online coding contest The Staters 91 contest.

**Codechef:**Secured a global rank of 30 among more than 7,000 participants in online coding contest July Cook-off 2022.

**TECHGIG GEEK GODESS 2022:** Finished with Rank **1665** in screening and 3324 in Semi-final round out of **23000+** participants.

**Problem Solving(DSA):** Solved 700+ problems on different platforms.

**Google Kickstart round D 2022:** Achieved the Global rank of 4251 in Google Kickstart Round D

**WTEF'21 Scholar:**Secured a position among top 200 applicants chosen from the pool of 27,643 applicants for the TalentSprint WE program Supported by Google.

## Leadership / Extracurricular

**Entrepreneurship And Business Cell:** Media and Corporate Relations Core working towards learning pitching and sponsorship.

**Literature Club-Lead:**Organized the **1st** LIT Fest, a celebration of literature and creativity.Working towards keeping the art of literature alive in our college

## Profile Links

[LEETCODE](#)

[CODECHEF](#)

[CODEFORCES](#)

[HackerRank](#)