

# UTUKURI NAVEEN SATYA SAI

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## EDUCATION

Nov 2022 - Present

Bachelors of Technology in Information Technology

Pragati Engineering College, Surampalem | CGPA: **8.4/10** | Expected Graduation: 2026

## TECHNICAL SKILLS

- **Programming Languages:** Python(proficient), Java(Proficient), C++(Proficient), Haskell(Basic), GO(Basic)
- **Cloud & Databases :** AWS Cloud(basic familiarity), Google Cloud Platform(basic familiarity), SQL, MongoDB, NoSQL
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Flask, GIT, GITHUB
- **Relevant Coursework:** DSA, OOPS, PPL(Principles of Programming Language), Data Visualization, R Programming language, Microsoft Excel, Tableau, REST APIs, Agile development, JSON, Docker, Unix/Linux commands, Shell Scripting, Networking

## PROJECTS

- **Sorting Algorithm Visualizer** | [GitHub Repository](#) | [Live Website](#) Jan 2025
  - Developed a **web-based Sorting Algorithm Visualizer** to demonstrate various sorting techniques interactively.
  - Implemented algorithms including **Bubble Sort, Selection Sort, Insertion Sort, Merge Sort, Quick Sort, Heap Sort, and Radix Sort** using **JavaScript**.
  - Created a responsive UI with real-time animations, improving user understanding of sorting processes by 30%.
- **Secure Password Generator (Web App)** | [GitHub Repository](#) | [Live Website](#) Dec 2024
  - Developed a lightweight password generator using **HTML, CSS, and JavaScript**.
  - Allows users to **generate secure passwords** with **custom length, character sets** (uppercase, lowercase, numbers, symbols).
  - Implemented **real-time password strength evaluation** to enhance security awareness.
- **Tic Tac Toe Game** | [GitHub Repository](#) | [Live Website](#) June 2024
  - Built a **Flask-based web app** for a single-player Tic-Tac-Toe game.
  - Implemented **Minimax AI algorithm** for an intelligent opponent resulting in a 95% win rate against human players.
  - Designed a responsive UI using **HTML, CSS, and JavaScript** for smooth gameplay.
- **Bank Management System** | [GitHub Repository](#) Mar 2024
  - Designed a Bank Management System using **Python** and **Tkinter**, providing an intuitive graphical interface.
  - Implemented **secure user authentication, deposit/withdrawal transactions, balance checks, transaction history tracking**.
  - Utilized **JSON for data storage**, ensuring a lightweight and efficient solution without requiring a database.

## EXPERIENCE

1. **Turtil | AI Intern | Hyderabad** May 2025 | Present
  - Developing an offline **AI Study Buddy Matching Microservice** using **FastAPI** and **Docker** to recommend optimal peers based on academic goals, study habits, and personality traits. Implemented rule-based matching with configurable logic and real-time scoring explanation.
2. **Walmart Global Tech | Software Engineer Virtual Internship** | [Certificate](#) Mar 2025 | Mar 2025
  - Developed a novel version of a **heap data structure** in **Java** for Walmart's shipping department, showcasing strong **problem-solving** and **algorithmic skills**.
  - Designed a **UML class diagram** for a data processor, considering different operating modes and database connections.
  - Created an **entity relationship diagram** to design a new **database** accounting for all requirements provided by Walmart's pet department.
3. **Goldman Sachs | Operations Analyst Virtual Internship** | [Certificate](#) Feb 2025 | Feb 2025
  - Analyzed **financial data** and identified issues in **trade** settlements and asset transfers for high net worth clients.
  - Collaborated with **cross-functional teams**, including **Trading, Compliance, and IT**, to resolve complex operational issues.
  - Applied best practices in operational risk management and regulatory compliance, demonstrating a strong understanding of the role's requirements.

## EXTRACURRICULAR ACHIEVEMENTS

- Solved **300+ LeetCode** problems on various platforms and **consistently solving Striver's Sheet**, demonstrating strong problem-solving skills in **data structures and algorithms**, and **Completed SQL badge on leetcode by solving** .
- **Google Certified Associative Cloud Engineer** - [Certificate](#)
- Actively participated in **Google Arcade 2024** (Monsoon) and earned the **Premium Milestone** demonstrates Skilled in GCP.

## POSITIONS OF RESPONSIBILITY

- Successfully **coordinated** the "**Tech & Treat**" event, part of **STRIDES 2K25** (January 2025), from the IT department , attracting over 250 participants national wide.
- **Gaming Club of PRAGATI** | Core member: Sep 2024 Present
  - Fostering a **collaborative coding and game development culture** within the college, enabling students across all levels—peers, seniors, and juniors—to enhance their skills and creativity.