# Sreedha Reddy Vanga

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## Education

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| **ST. Paul's High School** | March 2019 |
| *Secondary School Certificate Examination (GPA: 10.00 / 10.00)* | *Jangaon, Telangana* |
| **A.B.V Junior College** | March 2021 |
| *Intermediate Public Examination (Marks: 988 / 1000)* | *Jangaon, Telangana* |
| **Vasavi College of Engineering** | Expected May 2026 |
| *Bachelor of Engineering in Computer Science-AIML (GPA: 8.48/10.0 )* | *Hyderabad, Telangana* |

## Technical Skills

**Programming Languages**: Python, Java, C
**Scripting Languages**: HTML, CSS, Java Script, SQL, Shell.
**Concepts**: Differential Calculus, Integral Calculus, Linear Algebra, Probability and Statistics, Operating System, Computer Organisation, Object Oriented Programming(Java), Data Structures(C) , Fundamentals of Machine Learning, Fundamentals of Neural Networks, Database Normalization.

## Projects

**Snake Game** | **C**
- Developed a classic Snake game using C programming language, incorporating Breadth-First Search (BFS) algorithm to enhance the AI capabilities of the snake.
- Utilized BFS to navigate the snake towards the food efficiently, avoiding obstacles and its own body.
- IDesigned a simple text-based interface to display the game state, with real-time updates.

**ToDo-List** | C
- Developed a To-Do List application in C, utilizing stack data structure to manage and prioritize tasks effectively.
- Utilized stack operations (push, pop, peek) to manage the task list, ensuring Last-In-First-Out (LIFO) order.
- Designed a command-line interface for user interaction, allowing easy addition, removal, and display of tasks.

**Mobile Payment Interface** | Shell Script
- Developed a comprehensive Mobile Payment Interface using shell scripting to simulate user registration, balance checking, fund transfers, and user management.
- Implemented PIN verification for accessing sensitive operations like balance inquiry and fund transfers.
- Created a text-based menu using shell scripting to facilitate user interactions with the system, employing read for input collection and tput for cursor control.

## Achievements

- Secured a Rank of 3,811 in TS-EAMCET
- 3-Star coder in Hackerrank(Python)
- Placed 9th in CSE Departmental Coding Competition

## Social Engagements

**Club Member** : at Toast Masters of Vasavi Collgege of Engineering
**Club Member** : at Suruchi of Vasavi Collgege of Engineering
**Sports-Engagements**: Badminton(school-level) , Kabbadi(school-level)