

# Aarya Sarfare

+917400162972 | aarya.work005@gmail.com | Mumbai, MH | github.com/aarya095 |

linkedin.com/in/aarya-sarfare/ | aarya095.github.io/aarya.github.io/

## EDUCATION

Atharva College Of Engineering

Mumbai, Maharashtra

Bachelor Of Engineering in Information Technology

Expected Graduation, May 2027

**Related Coursework:** Software Engineering, Computer Security, Programming Paradigms, Computer Architecture

## PROJECTS

### Password Manager

- Accomplished secure and error-resistant credential storage, as measured by consistent, validated user interactions and reliable CRUD operations.
- Achieved this by developing a command-line password manager with modular Python architecture, robust input-validation loops, and functions for creating, viewing, updating, and removing encrypted entries.

### Password Generator

- Developed a Command-Line Interface (CLI) Password Generator using Python scripting and core libraries (random, string) to enforce modern security standards.
- Achieving the ability to generate cryptographically strong, customizable passwords (8-32 characters) while reinforcing fundamental defensive security and input validation principles.

### Hangman

- Developed a **Command-Line Interface (CLI) Hangman Game** using **Python** to manage game logic, word selection, and user input validation.
- Achieving proficiency in key **data structures** (lists, sets) and **algorithm design** for letter tracking and state management.

### Rock Paper Scissor

- Developed a continuous **Command-Line Interface (CLI) Game** of Rock-Paper-Scissors using **Python** to implement core **game loop** logic, user input handling, and **conditional flow control**.
- Successfully demonstrating proficiency in basic Python **scripting** and randomized decision-making.

## SKILLS

- Programming Languages: Python, SQL, Java
- Tools: Linux CLI, Github, Visual Studio Code
- Platforms: Linux, Windows
- Languages: English, Hindi, Marathi

## ACTIVITIES

### Sunshine CTF Competition

- Organized by the Hack@UCF, gaining hands-on experience in web security, cryptography, and reverse engineering challenges (September 2025).

### Leadership Conclave

- MUN Competition organized by I&E-Cell ACE, gaining experience in putting forth one's point, networking and contributing to make the final draft of the conference (April 2025).