

# Aarya Sarfare

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## 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 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
- Tools: 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).

### • IDEATHON'25

- Organized by E-Cell RGIT, gaining experience in pitching an idea business (March 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).