

# GARVITA SHARMA

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## SUMMARY

Passionate Computer Science student with hands-on experience in Python. Quick learner and team player eager to contribute to dynamic tech environments and grow professionally..

## EDUCATION

<b>Rajiv Gandhi Proud yogiki Vishwavidyalaya (R.G.P.V)</b> B.Tech – C.S	<b>2024 – 2027</b> GPA: X.XX/10
<b>Rajiv Gandhi Proud yogiki Vishwavidyalaya (R.G.P.V)</b> Diploma – C.S	<b>2021 – 2024</b> GPA: 8.00/10
<b>Secondary (M.P Board)</b> Class X	2021 76.0%

## SKILLS

**Tools:** Power BI, Excel

**Languages:** Core Python,HTML,Core C,SQL

**libraries:** Matplotlib, Numpy,Panda,Seaborn

**Concepts:** Basic understanding of Data Structures

**Soft Skills:** Presentation Skills, Time Management

Public Speaking, Teamwork, Problem Solving

## PROJECTS

**Sales forecasting using machine learning** **Major project**  
Tech: Python

- Developed a machine learning model to forecast future sales trends using historical data. Applied regression algorithms along with data preprocessing, feature engineering, and data cleaning to enhance model accuracy. Utilized Python with libraries such as Pandas, NumPy, and Matplotlib for data analysis and visualization. Integrated Power BI for interactive dashboards and business insight presentation.

### Guessing game

Tech: Python and import random

- Developed an interactive number guessing game using Python where the program randomly selects a number, and the user is prompted to guess it within a limited number of attempts. After each guess, the program provides real-time feedback to the user, such as “Too High” or “Too Low,” helping them narrow down their next guess. The game includes logic to track the number of attempts and prevent further guessing once the maximum number is reached. The entire project was built using simple Python concepts including if-else conditions, while loops, and the random module. This project helped reinforce the use of control flow, user input handling, and basic logic building in Python.

### ATM transaction system

Tech: Python

- Simulated a console-based ATM transaction system in Python that supports key banking operations including balance inquiry, cash withdrawal, deposit, and PIN verification. Implemented user authentication using simple logic and control structures, and handled invalid operations with basic error checks. Reinforced the use of functions, conditional statements, loops, and variable handling for simulating a real-world banking environment.

### Library management system

Tech: Python

- Created a basic library management system using Python that allows users to perform common library tasks. The system can store a list of books, check which books are available, and keep track of books that are issued or returned. Users can add new books to the system or return borrowed ones. It provides a simple menu to perform all these actions and helps simulate how a real library works.

### Smart Password Filter:

Tech:Python

- Designed and developed a password validation program using Python that checks the strength of user-entered passwords. The system ensures that the password meets specific security criteria such as a minimum length, inclusion of at least one uppercase letter, one lowercase letter, and one digit. It also filters out passwords containing common weak patterns like "123", "abc", "password", and "admin". The program was built using basic Python logic with loops, conditional statements, and string operations to create a beginner-friendly yet functional security tool.

## RELEVANT COURSEWORK

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**Data Science, Data analytics, Data structure and Algorithms, OOPS, ML and Deep learning, DBMS, Statistics, Probability, linear algebra, calculus, Geometry and Graph Knowledge, Discrete Mathematics**

## ACHIEVEMENTS

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- **NCC:** Awarded "A" Certificate
- **Leadership:** Ex-School Captain
- **Sports:** State Level Kabaddi Team Captain

## CERTIFICATIONS

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- **Certification Name – Issuer**
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