Shalini Singh

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EDUCATION

Name of course	Passing Year	Name of institute	CGPA / %
B.Tech Bio-Engineering	2027	VIT Bhopal University	**7.5 / 10.00**
Class XII, **CBSE**	2023	DAV Public School, Jaipur	**69%**
Class X , **CBSE**	2021	DAV Public School, Jaipur	**85%**

POSITIONS OF RESPONSIBILITY

- **Core Team Member – FinTech Club, VIT Bhopal**
  Contributed to the planning and execution of workshops, seminars, and fintech awareness events.
- **Core Member – Ganga Bhumi Club, VIT Bhopal**
  Actively participated in organizing sustainability and cultural awareness initiatives.
- **Core Member – Regional Cultural Clubs, VIT Bhopal**
  Involved in coordinating regional festivals and cultural events, celebrating diversity and strengthening student participation.

PROJECTS

To-Do List Application (Python & Tkinter)

- Developed a **desktop-based To-Do List application** using Python's **Tkinter** module for the graphical user interface (GUI).

- Implemented core functionalities such as **adding, updating, deleting, and marking tasks as complete**.

- Integrated **local file storage** using the `json` module to save and retrieve task data.

- Utilized `datetime` for managing deadlines and timestamps, and `os` for efficient file handling.

- Designed a responsive and visually organized layout using Tkinter widgets like `Listbox`, `Frame`, and `Scrollbar`.

- Enhanced user experience with **error handling, priority tagging**, and a clean, intuitive design.

CO-CURRICULAR ACHIEVEMENTS AND AWARDS

- Collaborated with peers on a **research or technical project**, contributing to design, documentation, and presentation.
- Volunteered in multiple university events, contributing to organizing and coordinating efforts.
- Served as a **core team member** in university clubs, contributing to planning and execution of major events.

COURSES AND CERTIFICATIONS

- **Linear Algebra for Machine Learning and Data Science – DeepLearning.AI**
- **MATLAB Onramp – MathWorks**
- **Basic Problem Solving (Python) – HackerRank**
- **Java (Basic) – HackerRank**
- **SQL (Basic, Intermediate, and Advanced) – HackerRank**
- **Problem Solving (Basic) – HackerRank**

SKIILS & TOOLS

Technical Skills

- Molecular Biology Techniques (PCR, Chromatography)
- Microbiology and Cell Culture Handling
- Spectrophotometric Analysis and Protein Estimation

Tools & Software

- MATLAB for Data Analysis and Visualization
- Python (Intermediate), Java (Intermediate), C++ (Intermediate)
- MS Office Suite (Word, Excel, PowerPoint)
- NCBI Databases and BLAST
- MEGA and BioEdit for Sequence Analysis

Research & Analytical Skills

- Experimental Design and Data Interpretation
- Literature Review and Scientific Report Writing
- Data Documentation and Presentation