

Vishwas

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GitHub: github.com/vishwastpydev-jpg/Python-Portfolio

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Education

University of Delhi | Delhi, India *Bachelor of Science in Physical Sciences with Computer Science* | 2025

Technical Skills

- **Languages:** Python (Advanced), SQL (SQLite)
- **Libraries/Frameworks:** Tkinter, Selenium, OpenPyXL, Requests (APIs), SMTPLIB, ReportLab
- **Tools:** Git, GitHub, Virtual Environments (venv), Pip
- **Core Concepts:** OOP, CRUD Operations, Desktop Architecture, Web Automation

Featured Projects

Full-Stack Contact Management System | *Python, Tkinter, SQLite*

- **Developed** a persistent desktop application using SQLite to manage and store client data securely.
- **Implemented** full CRUD functionality with **parameterized queries** to ensure 100% protection against SQL injection.
- **Designed** a multi-window UI utilizing **Treeview widgets**, optimizing data visualization and user navigation.

Automated Attendance & Faculty Notifier | *Selenium, OpenPyXL, SMTP*

- **Automated** manual classroom workflows by parsing Excel datasets and triggering logic-based email notifications.
- **Built** a specialized WhatsApp automation bot using **Selenium** to handle scheduled social interactions and messaging.
- **Reduced** manual data entry time (by 2-3 times) by implementing automated Excel-to-Email pipelines.

Modular Ludo Game Engine | *Python, OOP*

- **Engineered** a digital board game using **Object-Oriented Programming (OOP)** to manage complex game states.
- **Architected** a decoupled system, strictly separating core game logic from the interface to allow for future GUI integration.