

VISHWAS

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

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PROFESSIONAL SUMMARY

Python Developer and Automation Specialist (B.S. Computer Science) with experience in architecting persistent desktop applications and streamlining workflows via web automation. Reduced manual processing time by over 60% and implemented secure, injection-proof database solutions.

TECHNICAL SKILLS

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

FEATURED PROJECTS

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

- Engineered a reliable, persistent desktop application using SQLite for client data management.
- Implemented full CRUD with 100% parameterized queries to prevent SQL injection vulnerabilities.
- Designed a multi-window UI with custom Treeview for optimized data visualization.

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

- Streamlined classroom workflows by developing logic-based pipelines to parse Excel and trigger automated email notifications.
- Built a specialized Selenium-based WhatsApp automation bot for scheduled messaging.
- Increased efficiency by reducing manual data entry time by 2-3 times through automated Excel-to-Email integration.

Modular Ludo Game Engine | *Python, OOP*

- Developed a digital board game engine using OOP to manage complex, real-time game states.
- Architected a decoupled system separating core logic from the interface, ensuring future GUI scalability.

EDUCATION

University of Delhi | *Delhi, India*

Bachelor of Science in Physical Sciences with Computer Science | 2025