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Professional Summary

Python Developer with a focus on Automation and Full-Stack Desktop Applications. Proven track record of building SQL-backed systems, Selenium-based web bots, and modular game engines. Expert in transforming manual workflows into automated Python solutions

Technical Skills (The "Power Grid")

- **Languages:** Python (Advanced), SQL (SQLite)
- **Libraries:** Tkinter, Selenium, OpenPyXL, Requests (APIs), SMTPLIB, ReportLab
- **Tools:** Git/GitHub, Virtual Environments (venv), Dependency Management (pip)
- **Concepts:** OOP (Object-Oriented Programming), CRUD, Desktop App Architecture

Featured Projects

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

- Developed a desktop application featuring a persistent **SQLite** database to manage client data.
- Implemented **CRUD** functionality with parameterized queries to prevent SQL injection.
- Designed a multi-window UI with **Treeview** for efficient data visualization.

Modular Ludo Game Engine | *Python, OOP*

- Engineered a digital board game focusing on **Object-Oriented Programming** and state management.
- Created a decoupled architecture, separating game logic from the CLI for future GUI integration.

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

- Automated classroom management by parsing Excel data and sending logic-triggered emails.
- Built a **WhatsApp Birthday Bot** using Selenium to manage scheduled social interactions.

Education

[B.Sc. Physical sciences with Computer Science] | [University of Delhi] | [2025]