Harsh Kesharwani

Python Developer

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SUMMARY

Entry-level Python Developer with strong skills in **Core & Advanced Python, Backend Development, Flask, Django, NumPy, Pandas, Matplotlib, and SQL/NoSQL databases**. Experienced in building automation tools, database-driven systems, and practical backend logic through multiple hands-on projects.

SKILLS

Programming & Scripting: Python (Core & Advanced), OOPs, Automation.
Frameworks & Libraries: Flask, Django, NumPy, Pandas, Matplotlib, Seaborn.
Databases: SQL (MySQL, SQLite), NoSQL (MongoDB).
Version Control: Git, GitHub.
Tools & IDEs: Jupyter Notebook, VS Code, PyCharm.
Other Skills: REST APIs, Deployment, Debugging, Problem Solving, Analytical Thinking.

PROJECTS

File Organizer App   **github.com/Harsh-GitHup/file-organizer**
- Developed a desktop application in Python to automate file organization.
- Implemented file classification and movement using **(OS and Shutil)** modules to categorize files by type.
- **Reduced manual file organization time by 40%** and improved system efficiency by streamlining file handling.

Voice Assistant App   **github.com/Harsh-GitHup/voice-assistant**
- *Developed a desktop application in Python to enable voice-based task automation.*
- Implemented **(speech recognition and pyttsx3)** for natural interaction, enabling actions like opening apps, fetching data, and controlling system functions.
- **Reduced manual input time by 40%** for system navigation and information retrieval via voice commands.

Library Management System   **github.com/Harsh-GitHup/library-management-system**
- Developed Python scripts and modules to implement a structured library management workflow.
- Designed and built a system for managing books, members, and transactions.
- Integrated with relational databases **(MySQL)** to enable secure data storage and retrieval.

ATM Management System   **github.com/Harsh-GitHup/atm-management-system**
- Built a Python modules to implement ATM management system using with OOPs concepts & relational databases **(MySQL)** to enable secure data storage and retrieval.
- Automated core banking tasks like account setup, balance check, deposit, and withdrawal.

EDUCATIONAL QUALIFICATIONS

- B. Tech in Computer Science & Engineering
  Corporate Institute of Science & Technology, *Bhopal, Madhya Pradesh — 2020 – 2024, 7.9 CGPA*

ACHIEVEMENTS

- Participated in **IBM Hack Challenge 2023**, building a predictive ML model for student placement.
- Active contributor on GitHub with projects in Python automation and scripting.

CERTIFICATIONS

- Python Fundamentals for Beginners — **Udemy**
- Full Stack Python Development — **Naresh i Technologies**
- Browser Automation & Image Processing with Python — **TechSimPlus**
- Online Soft Skills Training on Interview Readiness — **NPTEL**