Rupesh Soni

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Technical Skills

- **Programming Languages**: Python, SQL
- **Databases:** SQLite
- **Libraries**: Matplotlib, SQLite3 module
- **Web Technologies:** HTML, CSS
- **Core CS Concepts:** Object-Oriented Programming (Basics), DBMS (Basics), File Handling

Projects

Academic Record & Performance Management System
- **Technologies:** Python, SQLite, SQL, HTML, CSS, OOPS, DBMS
- Developed an academic record and performance management system modeling real-world university evaluation workflows for managing students, subjects, credits, and academic performance.
- Designed a normalized SQLite database schema to store subject-wise marks, grades, credits, and multiple assessment attempts with strict validation to prevent duplicate subject entries.
- Implemented credit-based semester GPA and overall CGPA calculation using weighted grade points, aligned with standard institutional grading systems.
- Built backlog tracking and subject reattempt workflows that preserve attempt history and update academic results only upon valid backlog clearance.
- Created a basic front-end interface using HTML and CSS to structure and present academic data, while keeping core evaluation logic in Python and SQLite.

Smart Time-Usage & Productivity Analytics System
- **Technologies:** Python, SQLite, SQL, Matplotlib, HTML, CSS
- Developed a Python-based productivity analytics application to track daily activities and analyze time utilization using structured data storage in SQLite.
- Implemented rule-based analytical logic to compute productivity metrics, including productive vs unproductive time percentage and activity-wise distribution.
- Generated complete, date-wise, weekly, and monthly productivity reports using system time, while enforcing realistic daily time constraints.
- Designed a lightweight frontend interface using HTML and CSS to present productivity summaries, reports, and analytical insights.
- Integrated data visualization modules using Matplotlib, including category-wise pie charts, activity-wise bar charts, and productivity trend analysis.

Education

Vellore Institute of Technology Bhopal	Bhopal, Madhya Pradesh
B.Tech in Computer Science and Engineering, CGPA: **8.26/10**	October 2022 - July 2026
Sarosh Junior College of Science	Aurangabad, Maharashtra
Class XII, Percentage: **94.50%**	July 2020 - August 2021
The Jain International School	Aurangabad, Maharashtra
Class X, Percentage: **95.20%**	April 2018 - July 2019

Achievements and Experience

- Industry Conclave 2024: Secured a finalist position among over 50 competing teams for developing an integrated platform for medical services, featuring a medical chatbot and AI-powered disease prediction from symptoms.
- Core team member of EDU4U Club: Oversaw the financial operations for the EDU4U club, planning and managing the entire budget to support club events and ensure smooth, transparent execution across all teams.

Spoken Languages: Hindi, English, Marathi, Marwadi

Interests: Gardening, Tree Planting**,** Gaming