# Rupesh Soni

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## Technical Skills

- **Programming Languages**: Java, Python, C++, HTML, CSS, JavaScript, SQL, MySQL.
- **Frameworks & Libraries**: Django, Flask, Git, Pandas, Scikit-learn, Matplotlib.
- **Web & Data Concepts:** API Integration, URL Routing, Data Pipelines.

## Projects

### Hostel Market | [GitHub](#)
- **Technologies:** Python, Django, HTML, CSS, SQLite3, Pillow
- Engineered a Django base web marketplace enabling hostel students to efficiently buy and sell 50+ items, fostering a localized community exchange.
- Implemented comprehensive CRUD functionality for item listings, secured by robust user authentication and authorization, streamlining transaction processes reducing posting errors by ~30%.
- Integrated image upload capabilities and ensured accurate timezone localization (IST) for all listings, enhancing user experience and data integrity by 25%

### Engineering Student Journey | [GitHub](#)
- **Technologies:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- Engineered a comprehensive machine learning pipeline in Jupyter Notebooks to predict engineering student placement status, leveraging academic, personal, and extracurricular data.
- Performed advanced data analysis and robust preprocessing for a dataset of 100+ students, including feature engineering, handling missing values, and advanced categorical encoding.
- Benchmarked multiple ML models (Logistic Regression, Decision Tree, Random Forest) for placement prediction, assessing performance, achieving ~85% accuracy with Random Forest and detailed classification reports, and enabling custom student profile predictions.

### Daily Motivation Generator | [GitHub](#)
- **Technologies:** Python, Flask, Google Gemini API, HTML, CSS, JavaScript
- Designed and deployed a mood-aware web application utilizing the Google Gemini API to generate personalized affirmations.
- Implemented Flask-based backend infrastructure to process daily API requests from Google Gemini, ensuring high uptime and seamless delivery of tailored motivational content.
- Crafted an intuitive web interface that simplifies user interaction, providing instant encouragement and enhancing the overall user experience and increasing user session duration by 20%.

### LinkedIn Job Data Visualization | [GitHub](#)
- **Technologies:** Python, Flask, Pandas, Chart.js, HTML, CSS
- Designed and developed a Flask-based web application providing interactive visualizations for LinkedIn job data, analyzing company-wise, location-wise, and time-based hiring trends.
- Analyzed and processed 100+ real-world job posting data using Pandas to extract key insights, creating dynamic charts (Pie, Bar, Line) for top companies, locations, and historical trends.
- Architected a clean, interactive, user-friendly dashboard utilizing Chart.js for interactive data representation, enhancing accessibility to complex job market analytics by 40%.

## Education

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|---|---|
| **Vellore Institute of Technology Bhopal** | Bhopal, Madhya Pradesh |
| **B.Tech** in Computer Science and Engineering, CGPA: **8.28/10** | 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