Sejal Barapatre

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Education

Bachelor of Technology - Information Technology   **2023 - present**
MKSSS Cummins College of Engineering for Women, Pune, India

- Current CGPA - 8.67/10

Class - XII   **2021 - 2023**
Decent Junior College, Nagpur, India

- Percentage - 82.17/100

Class - X   **2011 - 2021**
G.M.B.English Medium Highschool, Arjuni Morgaon, India

- Percentage - 96.80/100

Skills

- Data Structures
- Java, Python
- SQL
- Multitasking
- Time Management
- Problem solving

Projects

Inventory Management System - Cloud Kitchen 🔗   **April 2025**

- Developed a web-based Inventory Management System to automate stock tracking, vendor management, purchases, recipes, and orders for cloud kitchen operations.
- Implemented backend services using Node.js and Express.js with a MySQL database, ensuring normalized tables, secure authentication, and role-based access control.
- Designed a responsive React.js frontend with real-time low stock alerts, inventory updates, and recipe suggestions based on available ingredients.

Job Recommendation System 🔗   **October 2025**

- Developed an AI-powered Job Recommendation System using Machine Learning, Association Rule Mining, and the Apriori algorithm to generate skill-based job recommendations.
- Built RESTful APIs using Python, Django REST Framework, Pandas, and MLxtend, with a responsive React.js frontend for real-time user interaction.
- Performed data preprocessing, feature extraction, and model evaluation using support, confidence, and lift metrics on a real-world Kaggle dataset.

Cash Flow Minimizer 🔗   **November 2024**

- Console based application implemented in Java for real world banking solutions.
- Designed to minimize the number of financial transactions between multiple banks.
- Introduced multi-payment modes, enabling efficient processing and reducing the number of transactions by up to 30 percent.

Achievements

Academic Excellence

- Scored 98.56 percentile in **MHT-CET** 2023.
- Participated and won many awards in **Science** and **Math Olympiad** conducted by Science Olympiad Foundation(SOF)(2012-2019).

Sports   **2024**

- Secured **3rd place** at Savitribai Phule Pune University(SPPU) inter-collegiate **Volleyball Tournament** .

Extracurriculars

Sports participation   **2018**

- 1st place at District level inter-school Volleyball Tournament.
- Participated in District level Chess Competition.

Robot Development   **2018**

- Designed and developed a remote-controlled robot under Atal Tinkering Lab.
- Successfully demonstrated the robot's ability to follow a black tape path without deviation.