SALONI RANPURIA

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EDUCATION

B.Tech (Information Technology), K.J.Somaiya College of Engineering (Honours in AI)   2022 - 2026
9.3 CGPA

EXPERIENCE

ConnectWise   May 2025 - July 2025
Software Engineering Intern   *Mumbai (On-site)*
- Working on **LLMs** and **Retrieval-Augmented Generation (RAG)** using **Python**.
- Building backend modules with **Pydantic** for robust data validation and serialization.
- Leveraging **OpenSearch (Vector DB)** to enable efficient semantic search over documents.

HDFC Life   June 2024
Summer Intern   *Mumbai*
- Developed backend solutions using **Python** and its libraries to parse complex datasets and output them in JSON format, ensuring data integrity and efficient processing.

PROJECTS

- **Robust Human Target Detection(SIH finalist project)**
  1.Developed the frontend using **HTML, CSS, and JavaScript** for a responsive and user-friendly interface.
  2.Integrated **OpenCV** with **Python** for real-time anomaly **detection**, **processing video data** to identify behaviors like jumping, crawling, and running.link
- **Political News Bias Detector(Data Science Hackathon Project)**
  Built a project using ML, HTML, CSS, JavaScript, Python, Flask, and SQL to detect if the entered news article is left-wing, right-wing, or neutral, helping users gain political clarity. link
- **Finance Tracker**
  Built a responsive web application using React.js to track and manage personal finances, enabling users to add, categorize, and view expenses through an intuitive interface. link

TECHNICAL SKILLS

Languages	C, C++, Python, JavaScript
Databases	MySQL, PostgreSQL,OpenSearch,Elasticsearch
Tools & Techniques	React.js, Pandas, Pydantic, REST API, Prompt Engineering,Git,Github
Other Tech Skills	Data Structures and Algorithms

ACHIEVEMENTS

- **Smart India Hackathon 2023 Finalist**
  1.Addressed Problem Statement SIH1419 on Robust Human Target Detection and Acquisition.
  2.Successfully presented solutions on a national platform, contributing to team recognition.
- **Datathon 2024 and 2025 Finalist** – National-level data science hackathon.
- **2 star on CodeChef, Hackerrank 5-Star in C++**

LEADERSHIP

KJSCE Codecell   July 2024 - Present
Marketing Head
- Led planning of national level tech events including a hackathon and competitive programming contests.

Computer Society of India (CSI)-KJSCE   July 2023 - May 2024
Finance Team Member
- Organized Devopia, a 24-hour national-level hackathon.
- Designed challenging problems for programming contests.

BloomBox, Entrepreneurship Cell of KJSCE   Dec 2022 - May 2023
First Year Representative
- Coordinated keynote sessions, workshops, and networking events during E-Summit.