






JAGRUT THAKARE

Software Engineer @ Logituit

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Programming Languages

- Python, Java
- SQL

EDUCATION

Sant Gadge Baba Amravati University	(Aug 2021 - May 2025)
<ul style="list-style-type: none">• B.E. in Computer Science and Engineering• GPA : 8.7	
Jawahar Navodaya Vidyalaya, Amravati	(Jul 2019 - May 2021)
<ul style="list-style-type: none">• HSC 12th• Score : 84.2%	
Vishwabharati Public School, Amravati	(Jul 2013 - May 2019)
<ul style="list-style-type: none">• SSC 10th• Score : 84.2%	

CERTIFICATIONS (Click to View)

- Supervised Machine Learning: Regression and Classification (Coursera)
- Alpha (DSA with Java)
- Responsive Web Design (freeCodeCamp)
- Python (freeCodeCamp)

ACHIEVEMENTS

- 2 Star coder on codechef it is a platform where a competition is organized each week. The competition has DSA based question ranging from easy to hard.
Link - <https://www.codechef.com/users/jagrut123>
- TCS NQT IT (OCT 2024)
 - Foundation – 84.56 %
 - Advanced – 73.52 %
 - Programming – 90.68 %

PROJECTS (Click to View)

Python Projects :

- Hybrid Detection System (Jan 2025 – Mar 2025)

Developed a Python-based traffic violation detection system integrating number plate detection, helmet detection, and triple ride detection. Utilized the **TrOCR Large Printed model** from Hugging Face for number plate text extraction. Trained custom models on **Roboflow** using curated datasets and **YOLO v11** for object detection tasks. Integrated **Roboflow Inference SDK** for real-time model deployment within a **Streamlit web app**. The application is hosted on **Streamlit Cloud** for accessibility and ease of deployment.
- Task Management System (Jan 2025)

Developed a **Django**-based Task Management System with **RESTful API** endpoints, tested using **Postman**, enabling CRUD operations on tasks. Each task included attributes like title, description, start time, end time, and scheduled time. The project featured a **Python** and **Bootstrap**-based user interface for task management, integrated with **PostgreSQL** for database storage. **Redis** was implemented for task caching, while **Celery Beat**, Scheduler, and Flower handled periodic tasks such as emailing users their scheduled, completed, and pending tasks. Successfully deployed the application on an **AWS EC2** instance, leveraging cloud services for scalability and availability.

Java Projects :

- **Bank Account Management System**

(Jan 2024 - Apr 2024)

Designed a **Java**-based Bank Account Management System featuring a user-friendly interface built with **Java Swing**. Integrated **MySQL** for secure data storage, enabling seamless management of account balances, transaction history, and user authentication. The system efficiently processes financial data and ensures data integrity through robust backend logic.

- **Hotel Management System**

(Jul 2022 - Dec 2022)

Built a **Java**-based Hotel Management System with a responsive interface using **Java Swing**. Leveraged **MySQL** for data storage, allowing hotel staff to manage bookings, customer information, room statuses, and other operational data. The system optimizes hotel workflows through an intuitive design and real-time data handling.

JavaScript Projects :

- Palindrome Checker
- Roman Numeral Converter
- Dragon Repeller RPG

All the projects can be viewed via my website

jagrutthakare.github.io