

JAYESH SOLANKE

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PROFESSIONAL SUMMARY

Motivated Information Technology undergraduate skilled in **Python development, OOP, SQL, and web frameworks**. Experienced in building backend systems, REST APIs, and databases with a focus on **clean, maintainable code, debugging, and testing**. Hands-on with **Flask, FastAPI, and SQLAlchemy**, with additional exposure to ML libraries like Pandas, NumPy, TensorFlow, and Scikit-learn. Strong problem-solving and teamwork skills, eager to contribute to real-world Python projects in a collaborative environment.

PROJECTS

SMART VISITORS & PARKING MANAGEMENT SYSTEM | JUNE 2025 – PRESENT

- Built **Python backend APIs** using FastAPI + SQLAlchemy for visitor, guard, and delivery management.
- Designed MySQL database ensuring efficient CRUD operations and data consistency.
- Wrote **unit tests and validations** to ensure reliability.
- Developed a simple frontend (HTML, CSS, JS) consuming REST APIs.
- Key skills demonstrated: Automation, backend development, SDLC, teamwork.

AI TRADING GENIE | JAN 2025 – JUNE 2025

- Designed **data ingestion pipelines** in Python to fetch and process stock data from the mStock API.
- Optimized **SQL queries** for fast retrieval of large time-series datasets.
- Integrated ML models (LSTM, XGBoost) using **NumPy, Pandas, Scikit-learn** for real-time predictions.
- Implemented robust **debugging and error handling** for API and database integration.

EDUCATION

BACHELOR OF TECHNOLOGY (INFORMATION TECHNOLOGY) | CGPA : 8.44

INSTITUTE OF INFORMATION & COMMUNICATION TECHNOLOGY (MGMU), AURANGABAD
2022 – 2026 (EXPECTED)

TECHNICAL SKILLS

- **Languages & OOP:** Python, Java (OOP), SQL
- **Software Engineering Practices:** Unit Testing, Debugging, Code Reviews, API Documentation
- **Core Strengths:** Problem-Solving, Collaboration, Leadership
- **Python Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras
- **Web & Backend:** Flask, FastAPI, REST APIs, SQLAlchemy, HTML, CSS, JavaScript
- **Databases:** MySQL, Query Optimization, Data Modeling
- **Tools:** Git, GitHub, Postman, VS Code
- **Core CS Knowledge:** Data Structures, Algorithms, OOP Principles

CERTIFICATION and ACTIVITIES

- **Data Analytics Job Simulation** – Deloitte
- **Cloud Computing** – Infosys
- **Face Detection using Python** – Certificate of Accomplishment
- **Team Lead – Academic Projects:** Coordinated 3+ projects, assigning tasks, integrating components, and ensuring timely delivery.
- **Public Speaking & Presentation Skills:** Delivered project presentations to faculty panels and peers.

- **Collaboration:** Worked closely in multi-member teams, applying agile methods and effective communication.

LANGUAGES

- English – Proficient
- Hindi – Proficient
- Marathi – Native