

Nitesh Shinde

✉ shindenitesh829@gmail.com

☎ +91 9322664312

📍 Jalgaon, Maharashtra

🌐 <https://github.com/Niteshshinde999>

🌐 <https://www.linkedin.com/in/nitesh-shinde-04ba482b4/e-04ba482b4>

👤 PROFILE

- I'm a Computer Science (AIML) student passionate about data engineering, backend development, and building intelligent systems. I enjoy working with real-world datasets, creating scalable pipelines, and developing web applications that solve practical problems.
- I have hands-on experience with Python, Django, PySpark, Airflow, PostgreSQL, and Docker. During my 3-month internship at Xcent Innovations OPC Pvt. Ltd., I worked on a transport management system where I focused on fleet data tracking, load management, and data analysis to support prediction and cost optimization tasks.

🧠 SKILLS

Technical Skills

- **Programming Languages:** Python, C++, Java, SQL
- **Big Data & Cloud:** PySpark, Airflow, AWS, Databricks
- **Databases:** PostgreSQL, MySQL, MongoDB (NoSQL)
- **Backend & DevOps:** Django, Docker
- **Version Control:** Git, GitHub

🎓 EDUCATION

2022 – 2026 **B.Tech in Computer Science (AIML)**
Jalgaon, Maharashtra, India *GH Rasoni College Engineering and Management, jalgaon*

📁 PROJECTS

1. YouTube Data Pipeline with Recommendation System | PySpark, Airflow, PostgreSQL, Django, Docker ☑

This project is built to help students with self-study. It allows users to create their own courses by adding study videos and playlists from YouTube. While watching a video, the platform provides practice questions to test their knowledge.

The project includes a recommendation model that suggests videos based on the user's interests.

- Developed a Django-based web application that recommends YouTube videos and practice questions using the gemini API.
- Implemented a real-time recommendation engine using PySpark ALS and PostgreSQL.
- Integrated PostgreSQL for efficient data storage and retrieval of generated questions.
- Deployed the application on AWS and containerized services using Docker.

2. Mock Test Platform | Django, Docker, gemini API ☑

- Built a Django-based web application that generates exam-style practice questions and short answers for AWS DEA-C01 aspirants.
- Provided a Dockerized setup (Dockerfile + docker-compose.yml) for easy deployment and portability.
- Enabled learners to run the app in a mock test environment without dependency issues.

👜 PROFESSIONAL EXPERIENCE

Internship Experience

Intern – Data Management & Analysis Xcent Innovations OPC Pvt. Ltd. | Dec 2024 – Feb 2025

Worked on **Data Management and Analysis** for a **Transport Management Application**, optimizing fleet operations through data-driven insights.

- Tracked and analyzed **fleet data** to improve operational efficiency.
- Managed **load distribution** and conducted **cost management analysis** to optimize resource utilization.
- Collected, processed, and mined data to generate **actionable insights** for business decisions.
- Developed **predictive reports** for fleet requirement forecasting and **cost optimization**.

Key Skills: Data Analysis, Fleet Management, Cost Optimization, SQL, Python, Data Visualization.

📜 CERTIFICATES

- HackerRank: SQL (Intermediate) ☑
- Academy Accreditation - Databricks Fundamentals ☑
- TestDome: Python ☑