

# ABHISHEK PATEL

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## Education

### Bundelkhand Institute of Engineering and Technology (BIET Jhansi)

B.Tech in Information Technology (GPA: 7.56/10)

Sep 2022 - May 2026

Jhansi, U.P

- Coursework: Data Structures and Algorithms, Machine Learning, Artificial Intelligence, DBMS.

## Technical Skills

- Programming Languages: Python, C++, Java, SQL, JavaScript
- Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, Hugging Face Transformers, NumPy, Pandas, Matplotlib, Seaborn
- Concepts & Tools: Machine Learning, Deep Learning, NLP, Computer Vision, Regression & Classification, Feature Engineering, Model Evaluation, Flask, Streamlit, Git, Jupyter Notebook, Google Colab

## Soft Skills

- Communication, Teamwork, Leadership, Problem-Solving

## Projects

### MarketPulse ETL Pipeline (Python & SQL Data Engineering): [LINK ↗](#)

Tools Used: Python, Pandas, PostgreSQL, SQL

Nov 2022 - Dec 2024

- Built a production-ready **ETL pipeline** to ingest, clean, transform, and load real-world datasets into PostgreSQL for analytical use.
- Processed **50,000+ rows** using Pandas; automated treatment of missing values, normalization, and deduplication, improving data quality by **40%**.
- Optimized SQL schema and indexing, reducing heavy analytical query time by **30%**.
- Added automated validation + logging to ensure consistent and reliable data ingestion across pipeline runs.

### InsightServe Data Access API (Node.js & AWS): [LINK ↗](#)

Tools Used: Node.js, Express, SQL, REST API, AWS Lambda

Dec 2024 - Jan 2025

- Developed a **RESTful API service** to deliver structured database records with advanced filtering, searching, sorting, and pagination.
- Integrated Node.js with PostgreSQL to build secure and modular data-access layers, improving API latency by **25%**.
- Architected the system to be **serverless-ready** using AWS Lambda + API Gateway for scalable deployments.
- Documented all REST endpoints using **Swagger (OpenAPI)**, ensuring clarity and ease of integration for developers.

## Achievements & Certifications

- Secured an **All India Rank of 300** in the **Amazon ML Challenge 2024**, placing in the top **1% out of 70,000+ participants**; developed high-performance ML models under real-world constraints.
- Solved over **500+ problems** in Data Structures and Algorithms — including **400+ on LeetCode ↗** and **100+ on Codeforces ↗**; improved problem-solving speed by **30%** and strengthened algorithmic logic through consistent practice.
- Achieved a **Pupil rating (Max: 1300)** on [Codeforces ↗](#), ranking in the top **15% globally** and demonstrating strong foundation in algorithms and competitive programming.
- Earned the **Oracle Cloud Infrastructure 2025 Certified Data Science Professional** certification — validated skills in end-to-end data science workflows, model lifecycle, and deployment on Oracle AI infrastructure.  
[View Certificate ↗](#)
- Completed the **Databricks Accredited Generative AI Fundamentals** certification — gained hands-on understanding of foundation models, LLMs, and applied Generative AI using Databricks. [View Certificate ↗](#)