

Vishal Sharma

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🌐 Portfolio | 🔗 LinkedIn | 🐙 GitHub

Professional Experience

Python Backend Developer — *iTech Mission Pvt. Ltd.* May 2025 – Present | Delhi

- Engineer high-throughput **REST APIs and microservices** with Python, Django, and DRF for government-scale workloads.
- Build **ETL pipelines** for large structured datasets; reduce API latency via query optimization, indexing, and caching.
- Manage **CI/CD workflows** and production deployments on Linux using Git-based version control.

Freelance Python & AI/ML Developer 2023 – May 2025 | Remote

- Delivered **AI/ML solutions** including Wav2Lip (deep learning lip-sync), **TTS pipelines**, and **offline LLM integrations**.
- Built **NLP and computer vision** modules deployed in production desktop and web applications using Python & Flask.
- Performed model fine-tuning, performance profiling, and latency optimization for **real-time inference systems**.

Technical Skills

Languages	Python (Advanced), JavaScript, HTML, CSS
AI / ML	Scikit-learn, NLP, TF-IDF, Text Classification, Feature Engineering, LLM Integration, Computer Vision, TTS
Frameworks & Libs	Django, DRF, Flask, Pandas, NumPy, PySpark, Apache Hudi
Databases	PostgreSQL, MySQL, MongoDB
Cloud & DevOps	AWS (Lambda, S3), Docker, Git, CI/CD, Linux
Core Concepts	DSA, OOP, REST API Design, ETL, Distributed Computing, Microservices

Projects

MAUSTATS – International Trade Data Platform [🔗 Live](#)

- Engineered **REST APIs with DRF** for trade data ingestion and analytics; used **PySpark** for distributed ETL on millions of records.
- Integrated **Apache Hudi** for incremental data lake updates, enabling efficient upserts and time-travel queries at scale.

SMS Spam Detection — NLP Classification System [🐙 GitHub](#)

- Built end-to-end **NLP text classification pipeline**: tokenization, TF-IDF vectorization, and Scikit-learn classifiers (Naive Bayes, SVM, LR).
- Benchmarked models with cross-validation; achieved strong precision/recall for **production-grade spam filtering**.

Solana Real-Time Trading & Alert Platform [🐙 GitHub](#)

- Developed **real-time token price monitoring** using event-driven architecture with webhook triggers and async processing.
- Integrated **Telegram Bot API** for instant push notifications on configurable price thresholds and market signals.

Education

B.Tech, Computer Science & Engineering — J.C. Bose University of Science & Technology, Faridabad 2021 – 2025

CGPA: **8.185 / 10** | Coursework: DSA, DBMS, OS, Computer Networks

Senior Secondary (Non-Medical) — Scholars Pride, Faridabad 2019 – 2021
Percentage: **89.4%**

Coding Profiles & Languages

LeetCode: [Vishal24102002](#) — 79 solved (56 Easy / 18 Medium / 5 Hard) | Rating: **1,414** | Top **79.85%** |

HackerRank: [vishalsharma6591](#) — 5★ Python, 4★ Java, 2★ Problem Solving |

Languages: English (Fluent), Hindi (Native)