

# Abhishek Verma

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## PROFESSIONAL SUMMARY

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Data & AI Engineer with hands-on experience building scalable ETL pipelines, data quality systems, and AI-powered applications using Apache Spark, Databricks, and FastAPI.

## EXPERIENCE

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### Accenture India

September 2024 – Present

#### Data & AI Engineer

Gurugram, India

- Built and orchestrated scalable **ETL pipelines** using Apache Spark on Databricks and Apache Airflow, processing large-scale financial datasets.
- Developed an automated **data quality & monitoring system** with real-time alerts, reducing manual effort by **50%**.
- Designed and optimized **REST APIs** with FastAPI and Redis caching, improving response time by up to **80%**.
- Built a **conversational AI interface** using LangChain for natural language querying and anomaly explanations.

## SKILLS

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- **Languages:** Python, C, C++, Rust, JavaScript, Java
- **Data & AI:** Apache Spark, Databricks, Kafka, Airflow, dbt, MLflow, Pandas, NumPy, LangChain
- **Backend:** FastAPI, Flask, REST APIs
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, Supabase
- **Tools:** AWS, Docker, Terraform, Git, Grafana, Linux, Nginx

## PROJECTS

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### Shardz – Distributed Cloud Storage Platform – [Source Code](#) *1st Place – Microsoft TechSaksham Hackathon*

- Unified **9+ cloud providers** into a single virtual drive using distributed file sharding and end-to-end encryption.
- Designed storage orchestration logic improving large file handling efficiency by **40%** with fault tolerance and redundancy.

### ContestHunt – Coding Calendar – [Play Store](#) – [Source Code](#)

- Built a real-time aggregation platform tracking **50+ coding contests, hackathons, and bounties**.
- Developed backend using **Flask + MySQL** with automated pipelines (cron jobs + scraping) for continuous updates.

### NavMetro – Delhi Metro Web App – [Live](#)

- Developed an **offline-first PWA** with route planning, fare calculation, and live station tracking.
- Implemented caching strategies enabling full functionality without internet after initial load.

### YouTube Music API – Unofficial REST API – [Live](#)

- Engineered a high-performance API serving **150+ developers** with up to **5M requests/month**.
- Optimized latency using **Cloudflare Workers** and caching strategies for edge delivery.

## CERTIFICATIONS

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Databricks Generative AI Engineer Associate – [View Credential](#)

DataCamp Data Engineer Associate – [View Credential](#)

DataCamp Python Data Associate – [View Credential](#)

## EDUCATION

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G.L. Bajaj Institute of Technology and Management

2022 – 2024

Master of Computer Applications

Greater Noida

Axis Institute of Higher Education

2019 – 2022

Bachelor of Computer Applications

Kanpur