

# Aman Kumar

Software Developer

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## Summary

Software Developer with 2+ years of experience designing robust backend architectures using Python, Django, and SQL; Databricks and Azure certified, with strong collaboration, communication skills, and a determined, solution-oriented mindset.

## Professional Experience

### Genpact

Software Developer

Aug 2023- ongoing

- Engineered scalable backend systems using Python and Django to support over **500K API calls/month** in a microservices-based architecture.
- Orchestrated ETL pipelines by integrating third-party APIs, transforming data with Pandas, and loading it into relational databases—**reducing manual processing by 70%**.
- Containerized 10+ microservices using Docker, minimizing environment-specific bugs by **40%** and enabling faster deployments
- Applied NLP models like T5 and GPT for text extraction, translation, and summarization, boosting accessibility and lowering manual effort by **40%**.
- Collaborated within a SAFe Agile framework, actively participating in 50+ sprint ceremonies, 6+ PI planning sessions, and daily stand-ups across 3+ cross-functional teams—driving consistent two-week deliveries, fostering team engagement, and helping resolve blockers to maintain a 95% sprint success rate.

### Enquero Global LLP (Genpact Pvt Ltd)[\[Certificate\]](#)

SWE Intern

Mar 2023- Jul 2023

- Enhanced a fitness platform by implementing subscription features, session booking, and vitals monitoring—**increasing user engagement by 25%**.
- Constructed an Admin dashboard to track user and revenue metrics, boosting data visibility for stakeholders and reducing manual reporting by 60%.

## Relevant Projects

### Data Access Portal (Financial Data Store)

Client - GE Vernova

Technology: Python, Django REST API, SQL, Databricks

May 2025 - Present

- Developed a financial visualization platform with a natural language interface, empowering **100+ users** to generate dynamic JSON templates—accelerating analysis by **30%**.
- Programmed query validation by translating SQL to JSON using Databricks datasets, improving accuracy and reducing manual intervention.

### Data Archival Portal

Client - GE Vernova

Technology: Python, Django REST API

Sep 2024 - Present

- Architected a low-cost archival platform to shift metadata from hot to cold storage on AWS S3, saving up to **80% in storage costs** across **230+ projects** (19.7TB).
- Implemented search and filtering capabilities over **6M+ files**, enabling targeted exports to Box with automated email notifications.
- Integrated AWS OpenSearch to enable full-text search functionality across **3M+ encrypted files**, improving information retrieval in large datasets; architected and implemented paginated APIs to efficiently manage high-volume requests

### Power Data Portal

Client - GE Gas & Power

Technology: Python, Django REST API, SQL, AWS

Jun 2024 - Aug 2024

- Contributed to Power Data Portal's Data Vision, aiding over **1,000 users** in managing Gas Power Data Lake assets—boosting data discoverability across **10+ business units**.

## Skills

**Language/Tools/Frameworks:** C++, Python, Django, SQL, PySpark, FastAPI, Rally, HLD, Docker

**Cloud / Tools:** Azure, AWS, ElasticSearch, Databricks

**AI Tools / Capabilities:** NLP, T5, GPT

**Database:** MySQL, PostgreSQL,

## Certificates and Achievements

- Databricks Certified Data Engineer Associate [\[Certificate\]](#)
- Microsoft Azure AZ-900 [\[Certificate\]](#)
- Coding platforms [\[LeetCode\]](#) [\[GeeksForGeeks\]](#)

## Education

NMIT Bengaluru

BE Computer Science, CGPA - 8.51/10

2019 - 2023