Chinmay Takkar

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WORK EXPERIENCE

GERP Technologies Pvt Ltd   **Delhi, India**
Assistant Data Management Consultant   *January 2025 – Present*
- Designed and deployed scalable **ETL pipelines** using **Azure Data Factory**, enabling seamless integration of diverse external data sources with a focus on data accuracy, consistency, and performance.
- Streamlined **end-to-end MLOps workflows** using **Databricks** and **MLflow**, automating model training, validation, deployment, and monitoring for enhanced lifecycle management.

Software Engineer Trainee   *January 2024 – December 2024*
- Developed and implemented **interactive dashboards** using **Databricks Dashboards**, eliminating the need for external BI tools, reducing latency, and saving clients approximately **$50,000 annually** in operational costs.
- Built **web scraping pipelines** to extract product data and attributes from multiple e-commerce websites, supporting data enrichment and analytics initiatives.

PROJECTS

Rate of Sale (ROS) Analysis   **Python, SQL**
MLOps   *MLflow*
- Developed an end-to-end analytics pipeline to compute and monitor **Rate of Sale (ROS)** across product categories, enabling accurate **demand forecasting** and **inventory planning**.
- Optimized **MLOps pipelines** with **MLflow** to detect and manage anomalies in sales/inventory data, reducing **false alerts** and improving **model reliability**.
- Enhanced **data quality monitoring**, enabling faster interventions and improving downstream **predictive performance** across departments.

Cross-Platform ETL Automation   **Azure Data Factory**
Data Migration   *Azure Services*
- Migrated enterprise datasets from **SharePoint** to **SQL Server** and **Databricks**, ensuring **zero data loss**, schema integrity, and smooth integration across functions.
- Designed and deployed scalable, reusable **ETL pipelines** using **Azure Data Factory** to enable **cross-platform data flow automation**.
- Established unified, reliable data access for **analytics**, **reporting**, and **business operations** across multiple teams.

Product Description Generation   **SQL, Python**
GenAI   *OpenAI*
- Built a **data preprocessing pipeline** in Azure Databricks leveraging **OpenAI GPT models** to clean, normalize, and enrich fashion product attributes.
- Focused on correcting and standardizing **material attributes**, significantly improving product **data quality**.
- Automated the generation of **SEO-optimized**, brand-consistent product descriptions with embedded **quality checks** for factual accuracy and consistency.

EDUCATION

Guru Gobind Singh Indraprastha University, Delhi   **India**
BTech in Computer Science and Engineering   *Graduation Date: July 2023*
- CGPA: *9.05/10*

SKILLS & TOOLS

Azure Data Services: Azure Databricks | Azure Data Factory (ADF) | Azure Data Lake Storage | Azure Synapse Analytics | Azure SQL Database | Azure Key Vault | Azure Logic Apps | Azure Functions

Big Data & Data Platforms: Databricks

Languages & Scripting: Python | SQL | PySpark | Linux

Visualization & Reporting: Power BI | Databricks Dashboard

DevOps & Version Control: Azure DevOps | Git | GitHub

Other Tools: Jira | Visual Studio Code | Postman

CERTIFICATIONS AND TRAINING

- **Databricks Certified:** Databricks Fundamentals   - **Databrick Certified:** Generative AI Fundamentals

- **Microsoft Certified:** Azure Data Fundamentals (DP-900)   - **Microsoft Certified:** Azure Fundamentals (AZ-900)

- **Microsoft Certified:** Fabric Data Engineer Associate (DP -700)