Kartikey Chauhan

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Experienced **data professional** specializing in data warehousing, analytical, and transactional solutions. Skilled in **Python and SQL** with a strong focus on problem-solving and delivering robust data-driven solutions for **Supply Chain and Banking** domains.

SKILLS

Languages
Python, SQL / PLSQL, HTML/CSS, Bash, Javascript

Frameworks
Pandas, NumPy, Flask, Matplotlib, Scikit-learn

Tools
Git, Linux, Docker, Jupyter, Airflow

Platforms
Azure, Oracle EBS/Cloud, ServiceNow, BI Publisher, Netezza

WORK EXPERIENCE

Jul 2022 – present
Toronto, Canada

ETL Analyst, *Tata Consultancy Services Canada*
- ***Project:*** Part of the Enterprise Risk & Basel reporting team and responsible for ensuring compliance and governance of ETL pipelines and reports for a Big 5 bank. Had a key role in crucial projects - BASEL 3.1 reforms, Mergers & Acquisitions, and OSFI BCAR Reporting.
- ***ETL pipelines:*** Implemented 1:1 mirrors of production ETL pipelines using Python, SQL, and Bash, to identify and analyze data issues.
- ***Data Quality***: Implemented data quality and validation workflows utilizing libraries like pandas and pyodbc, which replaced shell scripts and reduced technical debt, inaccuracy, and manual efforts by 90%.
- ***Project Management:*** Collaborated with cross-functional teams to ensure seamless data flow from source to reporting. Responsible for managing delivery and coaching offshore members in an agile environment.

Jul 2019 – Jul 2022
Mumbai, India

Oracle EBS Developer, *Tata Consultancy Services*
- ***Project:*** Enhanced and provided production support for the ERP of an F500 MFG company.
- ***Supply Chain Analytics:*** Implemented an analytics solution utilizing an evolving decision matrix that identified patterns in past order data to classify the cause of order misses, reducing 90% of manual data entries.
- ***Transactional Data:*** Developed dynamic billing & repricing transactional flows that aided in multi-million $ increased revenue & significantly reduced customer claims.
- ***ERP-MES Integration:*** Reduced ERP-MES integration failures to a 0.01% error rate by addressing design gaps and defects. Improved order processing time by 5x through the implementation of an event-driven system.
- ***Process Improvement:*** Designed and developed a Data Adjustment utility that reduced effort & fix time for critical data issues from 4 hours to 15 mins. Incorporated various automation & process improvements, leading to soft savings of >$100k/yr.

EDUCATION

2015 – 2019
Noida, India

Bachelor of Technology, *JSS Academy of Technical Education*
Electronics and Communication

PERSONAL PROJECTS

cinemattr.ca, *Airflow, DBT, LangChain* ⧉
A movie-searching app utilizing a self-querying retriever, incorporating a data pipeline from Wikipedia.

MicroHMS, *Flask, Postgres* ⧉
Hotel Management System for small hotel owners to track bookings and generate professional-looking invoices.

Recomovi, *Python, Streamlit* ⧉
Content-based recommendation system & IMDb dataset generator.

Vizima, *Next.js, Firebase* ⧉
Website for a hospitality company. Featured in Chakra UI showcase.

carteakey.dev, *Eleventy, Tailwind* ⧉
Blog and Portfolio Website where I regularly post technical articles.

See also: the projects page on my website ⧉

ACCOMPLISHMENTS

Awarded Contextual Master (TCS), *Given for using contextual knowledge to foster growth for clients.*

Winner of Star Performer of 2020 (TCS Client), *Recognized for developing client's analytics modules.*

Runner-Up, Best Case Study (TCS), *On impact of privacy laws on AI & ML-based search engines.*

Digital Cadre (TCS), *Given to top 1% employees tagged to work on challenging digital engagements.*

Multiple other awards (TCS), *Received more than 30 On the Spot, Learning Achievements, Special Initiative awards.*

CERTIFICATIONS

Azure Data Scientist Associate (DP-100), *Gained expertise in machine learning workloads on Azure.*

Azure AI Fundamentals (AI-900), *Demonstrated knowledge of ML & AI concepts and related Azure services.*

IBM AI Engineering: Professional Certificate, *Gained Proficiency in Machine Learning (ML) and Deep Learning (DL).*

Oracle Inventory Cloud: Implementation Specialist, *Certified in enterprise configuration & Supply Chain orchestration.*

Google Data Analytics, *Gained key analytical skills and tools in data cleaning, analysis, & visualization.*

TCS MFDM AI Fluent - Data Scientist Certification, *Trained in Data Science lifecycle and methodologies.*