

KSHITIJ CHAUHAN

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PROFILE

- Pursuing MS in Business Analytics and Information Management, seeking full time position in data roles
- Data Engineer with 5 years of experience in designing advanced data pipelines and analytics solutions
- **Language:** Python, SQL, R, Shell Scripting
- **Tech Stack:** Hadoop, Spark, Hive, DBT, SQL Server, SSIS, SSAS, Tableau, PowerBI, Git, GCP, Big Query, AWS
- **Certifications:** Python for Data Science (edX), Spark and Python for Big Data, Hands on Hadoop (Udemy), Data Structures and Algorithms (Udemy), Programming using Python (edX)

EDUCATION

Purdue University, Daniels School of Business

Master of Science in Business Analytics and Information Management - STEM

West Lafayette, IN

August 2025

National Institute of Technology (NIT), Hamirpur

Bachelor of Technology, Mechanical Engineering

Hamirpur, HP

May 2019

PROFESSIONAL EXPERIENCE

American Express

Senior Associate – Data Engineering and Analytics

Gurgaon, India

June 2021 – July 2024

- Managed end-to-end delivery of 45+ Change Management requests, enabling 350+ credit risk KPIs across functions
- Built and maintained ETL pipelines and dashboards using Hive, PySpark, Tez, shell scripting, and Apache Airflow. Created 10+ risk dashboards with 100+ metrics
- Analyzed data lineage of 300+ variables across 40+ critical MIS reports for AmEx system modernization, leading 12+ developers in rapidly migrating data pipelines
- Automated reports by migrating Excel and PowerPoint to Tableau/PowerBI, saving 60+ hours of monthly manual effort with HiveQL, Spark based big data pipelines
- Streamlined analytical product delivery, reducing timelines by 40%, and developed a Python-based JIRA tracking tool with JIRA Rest API and Tableau for organizational oversight
- Optimized and migrated critical reports, analyzing 20K+ lines of code to reduce execution time by 35% and decreasing 4K+ LOC, earning multiple AmEx Blue Rewards for significant process improvements
- Received multiple Analyst of the Quarter and AmEx Blue Rewards for optimizing MIS inventory by 40% and reducing execution times by up to 65%
- Mentored 8+ interns and 5 analysts. Organized CSR and Speaker Series Programs

EXL Service

Senior Business Analyst

Noida, India

September 2019 – June 2021

- Placed with Aetna's (acquired by CVS Health) Data Engineering Team, managing provider-related data
- Automated 10+ OLAP data pipelines for weekly/monthly reporting using Tableau, shell scripting, Hive and Python (Apache Spark) on Hadoop
- Collaborated with the Aetna-affiliated Nurses to create 10+ Tableau dashboards reporting marketing campaign KPIs of insurance programs (PPO, HMO, Medicare)
- Built a Python-based Geohash mapping recommender system to recommend the cheapest network Provider within a 10-mile radius of customer geo-code
- Created a multi-dimensional data model with a snowflake schema, facilitating OLAP cube building for analytics
- Orchestrated dbt pipelines with Apache Airflow DAGs to automate weekly/monthly batch jobs of insurance campaigns

LEADERSHIP ACTIVITIES, AFFILIATIONS, HONORS

- **SVP Award Q3 2023:** Optimized weekly/monthly data pipelines, cutting execution time by 60% for 40% of inventory
- **Analyst of the Quarter Q3 2022:** Delivered critical Risk Product in 2 weeks (vs. 8 weeks), enhancing 2024 Recession Preparedness for Credit Collections
- **SJVNL Scholarship:** Awarded for top state scores in 12th standard exams, covering all 4 years of undergrad education