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)

EDUCATION

Purdue University, Daniels School of Business   **West Lafayette, IN**
Master of Science in Business Analytics and Information Management - STEM   **August 2025**
- Merit based scholarship awarded (Top 10%)

National Institute of Technology (NIT), Hamirpur   **Hamirpur, HP**
Bachelor of Technology, Mechanical Engineering   **May 2019**

PROFESSIONAL EXPERIENCE

American Express   **Gurgaon, India**
Senior Associate – Data Engineering and Analytics   **June 2021 – July 2024**
- Managed end-to-end delivery of 45+ Change Management requests, enabling 350+ credit risk KPIs across functional areas
- Built and maintained ETL pipelines and dashboards using Hive, PySpark, Tez, shell scripting, and CRON. Created 10 risk dashboards with 100+ metrics
- Analyzed 300+ variables for 40+ MIS reports during system decommissioning, aiding 12+ developers in data pipeline migration
- Automation & Optimization:
  - Automated reports in Tableau/PowerBI, saving 60+ hours monthly
  - Enhanced workflows, reducing delivery timelines by 40%
  - Developed a JIRA tracking tool with Python, JIRA Rest API, and Tableau
  - Optimized 20K+ lines of code, lowering execution time by 35% and cutting 4K+ lines
- Received multiple Analyst of the Quarter and AmEx Blue Rewards for making MIS inventory leaner by 40% and lowering execution times by up to 65%
- Mentored 8+ interns and 5 analysts. Organized CSR and Speaker Series Programs

EXL Service   **Noida, India**
Senior Business Analyst   **September 2019 – June 2021**
- Contributed to a top US healthcare client's Data Engineering Team, managing provider-related data
- Automated 10+ OLAP data pipelines for weekly/monthly reporting using Tableau, shell script, Hive and PySpark on Hadoop
- Collaborated with Data Visualization team to create 15+ KPI dashboards on Tableau for various insurance plans
- Designed a Geohash mapping data pipeline, lowering monthly reporting time by 48 hours using Spark, Hive, and shell script
- Developed a multi-dimensional data model with a snowflake schema for a healthcare project, facilitating monthly report generation

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 degree