

Bharadwaj Dhornala

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SUMMARY

Experienced Data Analyst with 4.5+ years in data modeling, reporting, and dashboarding using Python, SQL, Snowflake, and Tableau. Proficient in ETL workflows, data validation, and performance optimization across cloud platforms like AWS and Azure. Skilled in statistical analysis, A/B testing, and KPI tracking. Experienced with SDLC in Agile teams, cloud-based data integration, data governance practices, and version control using Git.

SKILLS

- **Programming:** Python, SQL, R, Java
- **Databases:** MySQL, Oracle, PostgreSQL, Snowflake, MongoDB, Cassandra
- **Data Analysis & Workflow Orchestration:** Apache Airflow, Spark, Kafka, Hadoop, DBT, Alteryx
- **Visualization & Version control:** Tableau, Power BI, Looker, Excel, Word, PowerPoint, Outlook, Git, JIRA, Confluence
- **Cloud Infrastructure:** AWS (S3, Redshift, Glue, DynamoDB, Kinesis), Azure (Data Factory, Delta Lake, Databricks, Synapse, CosmosDB, Blob Storage), GCP (BigQuery, DataProc, Dataflow, GCS)
- **ML & AI Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, NLP, LLMs, RAG, Agentic AI
- **DevOps & Deployment Tools:** Docker, Kubernetes, Jenkins, Flask, FastAPI

EDUCATION

Master of Science in Computer Science | University of North Carolina at Charlotte, NC **Aug 2023 - Dec 2024**
Bachelor of Technology in Computer Science | Indian Institute of Information Technology, India **Jun 2016 - Jul 2020**

EXPERIENCE

Research Assistant | UNC Charlotte, US **Aug 2024 – Dec 2024**

- Prototyped an LLM-based model with LangChain and FAISS, analyzing 10K+ athlete records to improve training outcomes.
- Enabled interactive querying via LLM-driven interfaces for real-time performance analysis.
- Conducted Python and SQL-based data cleaning, raising data accuracy by 50%.
- Published performance dashboards in Tableau, enabling coaches to monitor 20+ KPIs.

Senior Data Analyst | Accenture, India **Aug 2020 – Aug 2023**

- Analyzed 75M+ records from Snowflake, AWS Athena, and Azure Databricks to uncover trends, patterns, and actionable insights, reducing report generation time by 50%.
- Designed 10+ dashboards in Tableau, Power BI, and Looker for real-time tracking of KPIs, reducing manual reporting by 70%.
- Automated the extraction of web-based data from 10+ sources using Selenium and ingested into AWS S3, improving data availability for reporting and reducing manual data collection effort by 60%.
- Built scalable ETL workflows using PySpark, Azure Data Factory, and Airflow to process structured/unstructured data from Azure Blob Storage, Snowflake, and PostgreSQL, ensuring 98% data quality.
- Managed workflow orchestration and pipeline monitoring in Airflow, improving reliability and reducing failures by 35%.
- Collaborated cross-functionally with teams to manage 50+ Git version-controlled scripts, implemented A/B testing and statistical models, followed Agile and CI/CD practices using Jenkins and Docker.
- Built web applications using Django and FastAPI with JavaScript front-end to improve user interaction and streamline reporting.

Research Analyst | Accenture Innovation Hub, India **Jan 2020 - Aug 2020**

- Engineered a deep learning pipeline using TensorFlow to convert hand-drawn sketches into 3D mesh models, achieving over 90% reconstruction accuracy.
- Designed a multi-stage process to transform sketches into 2.5D maps, enabling more accurate extraction for real-time rendering.
- Preprocessed and augmented 75K+ image samples, presented live demo performance, and co-authored a published research paper on sketch-based 3D generation.

Data Quality Analyst | CapGuide, India **Aug 2019 - Dec 2019**

- Developed a Python-based data cleansing algorithm to convert 32k+ unstructured raw data into structured formats, improving accuracy and enabling seamless NoSQL integration.
- Partnered with 3+ internal teams to resolve data quality issues, align with business objectives, and maintained data dashboards with Tableau and Power BI.

PROJECTS

Linked Insight:

- Built a LinkedIn screening tool using Python, Streamlit, and Ollama (Mistral), enabling AI-based evaluation of 1M+ profiles and reducing manual review time by 60%.
- Processed synthetic candidate data on Snowflake and Azure Synapse, generated recruiter insights via Power BI dashboards.

Flight Price Analysis Dashboard:

- Created interactive dashboards using Tableau and Power BI to analyze and predict airfare trends from Redshift and Snowflake, providing stakeholders with real-time insights and increasing forecast accuracy by 25%.
- Automated ETL processes using Python, Azure Data Factory, and Airflow; optimized query performance in Teradata and Athena by 45%.

CERTIFICATIONS

- Microsoft Certified: Power BI Data Analyst Associate – Skilled in modeling, visualizing, and analyzing data to deliver insights.