

# Vaishnavi Tripathi

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## PROFESSIONAL SUMMARY

Aspiring Data Engineer with 3.5 years of experience in designing and developing data warehousing solutions. Proficient in building ETL pipelines, real-time data processing, cloud platforms, and big data frameworks. Strong background in delivering business intelligence solutions and collaborating with cross-functional teams to implement innovative technologies. Currently pursuing Master of Science in Computer Science with a Data Science Track at Sacred Heart University.

## CORE COMPETENCIES

- Programming Languages: Python, Java, C++, C#, Unix Shell Scripting, SQL, Teradata SQL
- Technologies: Hadoop, MongoDB, NoSQL, Apache Kafka, Linux, Windows, AWS, GCP
- Development Tools: Tableau, Power BI, Splunk, GitHub, AWS CloudFormation, Spark, Kubernetes
- Cloud Services: AWS (S3, EC2, IAM), GCP, Apache Storm, Databricks, Redshift, Snowflake
- Big Data & Real-Time Systems: Apache Kafka, Hadoop, Spark
- System Optimization: Performance tuning, real-time analytics, system design and architecture
- Security & Cybersecurity: IAM roles, encryption, Key Management Services

## PROFESSIONAL EXPERIENCE

### Data Engineer | EVRE

May 2023 – Jan 2024

- Led the development of performance metrics to enhance quality management, improving operational efficiency by 15%.
- Executed data extraction and built ETL pipelines, reducing data processing time by 25%.
- Created BTEQ scripts and comprehensive reports, increasing decision-making capabilities by 20%.
- Developed tables, views, and scripts for real-time analytics.
- Conducted system functional testing, reducing defect rates by 30%.

### Data Engineer | Randstad (Apple)

Jan 2022 – May 2023

- Designed and optimized 20+ tables for data storage in EDW, improving system performance by 30%.
- Developed ETL processes and automated procedures, improving data flow and reducing manual errors.
- Collaborated with cross-functional teams to improve data integration and navigation, enhancing service comprehension by 30%.
- Conducted data validation and production support, ensuring seamless transitions and minimal downtime.

## Software Engineer | Genpact (Apple)

Dec 2020 – Sept 2021

- Automated procedures using Unix Shell Scripts, reducing manual intervention and errors by 20%.
- Improved data aggregation processes with aggregate tables, increasing efficiency by 15%.
- Collaborated with clients to meet business requirements, improving project delivery timelines by 15%.
- Led system performance optimization efforts, resulting in a 15% improvement.

## EDUCATION

Master of Science in Computer Science (Data Science Track) | Sacred Heart University | 2025 (Expected)

Master of Business Administration (Information Technology & HRM) | NMIMS, India | Dec 2023

Bachelor of Engineering (Information Technology) | RTMNU University, India | Dec 2020

## PROJECTS & INTERNSHIPS

Accenture Data Analytics Simulation:

- Advised a hypothetical client on content trends using data modeling and visualization techniques, providing actionable insights through data cleaning and analysis.
- Delivered a PowerPoint deck and video presentation to communicate findings, improving decision-making strategies.