

Harsh Wadhawe

☎ +1 (979) 721-0991 ✉ harsh.wadhawe@tamu.edu in linkedin.com/in/harshwadhawe

Education

Texas A&M University, Mays Business School

College Station, Texas

Master of Science in Management Information Systems

June 2026

College of Engineering Pune

Pune, India

Bachelor of Technology in Computer Engineering

June 2022

Professional Experience

Big Data Engineer - Markets Team, CITI (Citicorp Services India Pvt Ltd)

Aug 2023 – June 2024

- **Optimized data models** using PySpark and Scala, improving operational efficiency by 30% and facilitating seamless transition from testing to production environments.
- Managed HDFS and Hive tables to increase data retrieval speed by 40%, analyzing over 10TB of daily trading data for compliance and regulatory reporting.
- Leveraged Cloudera and Apache HBase to streamline big data processing, ensuring compliance with security protocols and supporting real-time market surveillance.
- Developed algorithms to detect trading anomalies, generating alerts and collaborating with cross-functional teams to enhance data workflows and regulatory compliance.

Application Developer - GFT CPE Team, CITI (Citicorp Services India Pvt Ltd)

July 2022 – July 2023

- Engineered microservices using Java and Spring Boot to transform data between RDBMS and HDFS, improving integration capabilities and data accessibility.
- Led migration from Tibco EMS to **Apache Kafka**, managing multi-broker clusters to enhance data throughput and system resilience for real-time processing.
- Automated data ingestion and user setup processes with shell scripting, boosting operational efficiency and reducing errors by 25%.
- Designed RESTful APIs to automate report submissions, incorporating testing frameworks to ensure high code quality and compliance with industry standards.

Certifications

- **AWS Certified Data Engineer – Associate** (DEA-C01), AWS Training and Certification.
- **AWS Certified Solutions Architect – Associate** (SAA-C03), AWS Training and Certification.
- **Machine Learning Specialization**, Stanford University and DeepLearning.AI (Coursera).
- **Professional Scrum Product Owner I**, certified in Agile project management and Scrum methodologies.

Technical Skills

Programming Languages: C++, Python, Java, Scala, SQL, NoSQL, JavaScript

Big Data Technologies: Apache Spark, Hadoop, Apache Kafka, Hive, HBase,

Databases: MongoDB, OracleDB, MySQL, HDFS, Redis, MariaDB

DevOps and Cloud: Git, Docker, Kubernetes, Jenkins, OpenShift, AWS, Cloudera

Data Visualization: Tableau, Power BI **Methodologies:** Agile Practices, Scrum

Leadership Activities

Product Owner - WalkMe Application Integration

- Assumed leadership of the WalkMe application integration within CITI after a senior member's departure.
- Facilitated cross-team meetings to coordinate product enhancements and resolve integration issues, ensuring smooth plugin functionality.

Lead Developer - Data Pipeline Development

- Directed a team to develop and deploy a Big Data pipeline from the Data Lake, improving operational efficiency.
- Collaborated with respective stakeholders such as data analysts, business analysts, and subject matter experts to resolve conflicts and streamline processes.