

# Fareena Shaik

## EDUCATION

### **Birla Institute of Technology & Science, Pilani**

Master of Technology, Cloud Computing

*Aug 2024 – May/Jun 2026 (exp)*

*Pursuing as a Working Professional.*

CGPA: 8.18 (till Sem-2)

### **Vellore Institute of Technology**

Bachelor of Technology, Computer Science Engineering

*Aug 2018 – July 2022*

CGPA: 8.78

### **Narayana Junior College**

*Aug 2016 – April 2018*

Intermediate Major: Mathematics, Physics & Chemistry  
(Grades XI & XII) Cumulative Percentage: 94.3%

### **Atkinson High School**

*April 2014 - April 2016*

(Grades IX & X) CGPA: 9.8

## PROFESSIONAL EXPERIENCE

### **IT Software Engineer, Technology Analyst, Data Engineer – 4**

*Oct 2024 – Present*

*Data Integration Squad, Data Platform Tribe, Danske Bank (Client account) | Bangalore, India*

\* Amongst the few selected to contribute to building the new data platform using Databricks by architecting data ingestion process, developing real-time data applications using Spark Structured Streaming, orchestrating automated data pipelines using Data Asset Bundles to support data ingestion and data transformations from ext. data sources like Confluent Kafka, AWS S3, On-prem Data Warehouse & more for batch and real-time data.

\* Migrated high risk critical banking data & applications from Hadoop Data Lake to updated Cloudera Data Lake by leveraging the parallel run strategy. Developed, optimized and deployed 10+ Py-Spark data applications, 100+ Airflow DAGs and 50+ Kafka connectors to ensure seamless data ingestion. Handled stake-holder coordination & supported data consumer onboarding to the migrated environment.

### **IT Software Engineer, Sr. Systems Engineer, Data Engineer – 3**

*Sept 2023 – Sept 2024*

*Data Sourcing/Integration, Data Platform Tribe, Danske Bank (Client account) | Bangalore, India*

\* Developed & co-implemented HashiCorp Vault's centralized secret management system to streamline secret management processes, conforming to Danske Bank's GDPR compliance regulations & better protect sensitive information across 70+ repositories of the squad.

\* Migrated production & dev environment Confluent Kafka systems to an upgraded cluster by leveraging Cluster-Linking strategy ensuring zero downtime for downstream consumers. Tested and migrated 7+ producer applications, 150+ source and sink connectors, 10+ reconciliation and bootstrap applications, underlying data stored in Kafka brokers, and schemas from schema registry.

\* Handled high priority production incident management by coordinating with major stakeholders, providing production support to critical real-time, SCD type-1 events with huge nested data payloads like customers, accounts, payments, trades etc.

### **IT Software Engineer, Associate, Data Engineer – 2**

*July 2022 – Aug 2023*

*Data Sourcing Squad, Data Platform Tribe, Danske Bank (Danske IT) | Bangalore, India*

\* Developed 6 live and reload applications to consume data from HDFS and using Py-Spark for critical core payments and transactions events and automated the live and historic data ingestion

process to Hive tables by automating and deploying the flow using Azure pipelines and Airflow DAGs.

- \* Developed an automated callback solution for significant Regulatory events to curb data inconsistencies & handle ingestion of large payload events using Py-Spark leveraging Regulatory REST API call over a distributed environment.

- \* Sourced critical data from 7 on-prem Data warehouse SQL tables & ingested to Hadoop Data Lake to assist Financial Crime Protection & Monitoring team with moving key applications to Public Cloud.

### **IT Software Engineer, Intern, Data Engineer – 1**

*Jan 2022 - July 2022*

*Data Sourcing Squad, Data Platform Tribe, Danske Bank (Danske IT) | Bangalore, India*

- \* Sourced 45+ crucial Customer & Account events streaming real-time data of over 10 domains from message queues, processing & transforming them through Kafka and ingesting to Data Lake, increasing 90% coverage of Critical Data Elements (CDEs) across all EU regional groups that Danske Bank serves.

- \* Co-developed and tested reconciliation applications for 4 critical Account events using Java by leveraging historical REST APIs to eliminate data loss and data inaccuracy thereby reducing 100% dependency on source teams and speeding up the resolution time from 3 days to an hour.

## **LEADERSHIP EXPERIENCE (PROFESSIONAL)**

### **Lead Agile Champion | Data Platform, Danske Bank**

*May 2022 – Present*

- \* Led & facilitated daily, weekly & bi-weekly Agile rituals for a multigenerational and diverse team.
- \* Represented the squad and tribe as an Agile Champion at the larger Agile Community.
- \* Facilitated the Agile Squads & Tribe Insights survey for over 3 years now to retrospect, evaluate & improve the agile maturity of squads and tribes.
- \* Actively involved in participating & contributing to the Agile Guild Sessions by sharing experiences & learnings, building a learning community & implementing the beneficial learnings to squads.

## **CERTIFICATIONS**

- \* Databricks Certified Data Engineer Professional *Nov 2025 – Nov 2027*
- \* Databricks Certified Generative AI Engineer Associate *Nov 2025 – Nov 2027*
- \* Databricks Certified Data Engineer Associate *Sep 2025 – Sep 2027*
- \* Certified Applied Machine Learning on DevOps (MLOps) Trainee

## **TECHNICAL SKILLS**

**Data Skills:** Big Data, Python, Spark, Streaming Data, Distributed Systems, Data Ingestion, Data Pipelines, (CI/CD), SQL, Data Warehousing, Databricks, ETL, Kafka, Data Lake, Delta Lake, Medallion architecture.

**ML & AI Skills:** Generative AI, Databricks, Vector Search, Model Serving, ML Flow, RAG applications, LLM chains, Machine Learning, Deep Learning, LLMs, AI, Feature Engineering, TensorFlow, Easy OCR, Computer Vision. Neural Networks.

**DevOps:** Docker, Kubernetes, Azure CI/CD, GitHub (Actions), Airflow DAGs, Terraform.

**Other Skills:** AWS cloud, APIs, Application Development, Data Structures & Algorithms, Security.