

## OBJECTIVE

Driven data engineer targeting challenging opportunities to leverage expertise in IT, healthcare, BFSI, and retail sectors. Eager to tackle complex data problems and drive impactful solutions across diverse industries.

## CONTACT



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Mumbai, India

## EDUCATION

- B.E. in Electronics Engineering, Ramdeobaba College of Engineering and Management, Nagpur, 2021

## CORE COMPETENCIES

Data Modeling	<div style="width: 90%;"></div>
ETL	<div style="width: 85%;"></div>
Data Warehousing	<div style="width: 95%;"></div>
Big Data Technologies	<div style="width: 80%;"></div>
Data Integration	<div style="width: 90%;"></div>
Data Pipelines	<div style="width: 85%;"></div>
Data Migration	<div style="width: 90%;"></div>
Cloud Platforms	<div style="width: 80%;"></div>
Data Quality	<div style="width: 85%;"></div>
Data Lakes	<div style="width: 90%;"></div>

## SOFT SKILLS

Verbal & Written Communication	<div style="width: 100%;"></div>
Decision-Making & Problem-Solving	<div style="width: 100%;"></div>
Negotiation	<div style="width: 100%;"></div>
Listening Skills	<div style="width: 100%;"></div>
Analytical	<div style="width: 100%;"></div>

## TECHNICAL SKILLS

- Hadoop, MapReduce, Spark, Hive
- HBase, AWS Redshift & Redis (caching DB)
- TensorFlow, Scikit-learn & Pandas
- Tableau & Metabase
- Apache Airflow, AWS Step Functions & Autosys

## PERSONAL DETAILS

Date of Birth: 24<sup>th</sup> May 2000

Languages: English, Hindi & Marathi

# Khushal Bharadwaj

## PROFILE SUMMARY

- Utilizing nearly 3 years of hands-on data engineering expertise in the BFSI sector, with a focus on developing data lake platforms and managing SQL server data warehouses effectively.
- Leading the creation and enhancement of the AWS Data Lake structure, incorporating layers for ingestion, raw data, processing, and curated information.
- Improved AWS Data Lake efficiency by 40% through optimized data layer structuring.
- Reduced SQL server query response times by 30% and boosted system performance by 25%.
- Increased processed data volume by 50% with successful integration of diverse data sources.

## WORK EXPERIENCE

Data Engineer, Oneture Technologies Pvt. Ltd., Mumbai, Apr'2023 – Present

Client: Mirae Asset Capital Markets (India) Pvt. Ltd.

Project: AWS Data Lake

Responsibilities:

- Designing and building a Data Lake platform on AWS with layers for ingestion, raw storage, processing, and curation.
- Developing data ingestion processes with AWS Lambda from sources like APIs and databases, and directing data to the Raw Layer.
- Optimizing data processing with AWS Glue & EMR for complex workloads from Trade, Marketing, Acquisitions, and Payments.
- Using Apache Spark for large-scale data processing and AWS Athena for querying, with Apache Iceberg for managing big data tables.
- Managing real-time data processing pipelines with Apache Kafka and Spark to enhance system performance and data-driven decision-making.
- Managing workflows, pipelines & DAGs with AWS Step Functions, including logging and email alerts for system issues.

Project: BI Analytics Reporting Platform

Responsibilities:

- Designed and built Workflows to efficiently process and deliver reporting data from AWS Athena to Redis caching database for Internal Reporting Platform catering BI reports to key stakeholders.
- Developed analytics reports and dashboards on acquisitions and post-trade analytics using Metabase.
- Enhanced insights and dashboards with Senior Analysts, driving 2x annual growth for stakeholders.

Assistant Systems Engineer Associate, Tata Consultancy Services Pune, Aug'2021 – Oct'2022

Project: Investment Banking

Responsibilities:

- Managed and deployed PySpark ETL jobs for post-trade data processing.
- Hands on experience in Enterprise Hadoop like Cloudera and Open-source Apache Hadoop on premise clusters & big data tools.

## INTERNSHIP

Research Intern (Deep learning), Ramdeobaba College of Engineering and Management, Nagpur, Jan'2021 - Jun'2021

Publication: [International Journal of Next-Generation Computing \(IJNGC\)](#)

Responsibilities:

- Developed a method for identifying source cameras using a convolutional neural network, classifying up to 8 smartphones with PRNU noise and Noiseprint.
- Created a residual network with three parallel CNNs and 1x1 kernels, utilizing exponential learning rate decay.

## CERTIFICATIONS

- AWS certified Solutions Architect – Associate
- Scalable Machine Learning on Big Data using Apache Spark by IBM