

# SANKET PATOLE

## EDUCATION

Maharashtra Institute of Technology, Pune  
2012-2016 • B.E. (Computer Science)

## TECHNICAL SKILLS

- Programming Languages**  
Python, Shell Scripting, VBA Macro
- Databases**  
Snowflake, Redshift, Teradata, PostgreSQL
- ETL Tools**  
DBT, Abinitio, SSIS, Abinitio Metadata Hub
- Schedulers & AWS**  
Cloudwatch, IBM Tivoli Scheduler, S3, EMR, glue, Lambda, Dynamodb, State-Machine, Fargate, Snowpipe
- Control Systems & Documentations**  
Git, Jira, Confluence
- DevOps**  
Git-CICD, Cloudformation, Docker

## ACHIEVEMENTS & CERTIFICATIONS

- Won an award at Persistent System's Global Annual Hackathon (2024) for the category of The Best Use of Azure AI.
- Live demo: <https://d1jqgo57c096k2.cloudfront.net/>
- AWS Certified Cloud Practitioner

## Senior Data Engineer

+91-9561333389 @ snkt.pat2@gmail.com  
<https://github.com/SanketPatole> Pune, India

## WORK EXPERIENCE

Senior Data Engineer 03/2022 - Present  
Persistent Systems Pune, India

- Data Ingestion Pipeline**  
**Client:** Education Advisory Board (EAB)
- Developed and implemented data ingestion pipelines for EAB, targeting both undergraduate and adult learner recruitment, which significantly empowered the Marketing and Analytics teams with actionable insights.

- Enhancements to In-House ETL Tool**  
**Client:** Education Advisory Board (EAB)
- Successfully upgraded AWS Lambda functions to Python 3.9 runtime, involving comprehensive updates to the CI/CD pipeline, CloudFormation templates, and modifications to Lambda codebases for enhanced performance and reliability.

Data Engineer 10/2018 - 03/2022  
Bitwise Solutions Pune, India

- Enterprise Data Governance**  
**Client:** Discover Bank
- Developed an automation tool enabling business users to efficiently curate and upload raw metadata to Unix servers, utilizing VBA Macros and Unix Shell Scripting for streamlined operations.
  - Engineered a sophisticated automation tool that allows business users to implement and enforce quality checks on business/technical metadata, leveraging Python, VBA Macros, and Unix Shell Scripting.
  - Constructed a robust ingestion pipeline to efficiently transfer metadata files into the Ab Initio Metadata Hub, enhancing data integration and management capabilities.
  - Designed and scheduled a data pipeline for the seamless ingestion of aggregated business/technical metadata into Snowflake views, facilitating advanced analytics and visualization in Tableau reports.

- On-Prem to AWS Migration**  
**Client:** Discover Bank
- Developed a Python application for the efficient backfilling of existing Teradata tables into Snowflake, ensuring data consistency and enabling seamless migration.
  - Successfully migrated and automated the scheduling of generic Ab Initio ETL processes to AWS, enhancing scalability and operational efficiency.
  - Developed a Kibana dashboard to effectively monitor job executions, providing real-time insights into operational performance.

Data Engineer 11/2016 - 10/2018  
FIGmd India Pune, India

- Regulatory Compliance Platform**
- Streamlined the generation of Data Gap Analysis reports through automation, significantly enhancing efficiency and accuracy in identifying data discrepancies.
  - Authored SQL mapping scripts for over 1000 clinical measures pertaining to ophthalmological data, ensuring precise data organization and analysis.
  - Established and deployed a data ingestion pipeline for over 100 hospitals across the USA, streamlining the collection and integration of healthcare data.
  - Offered ongoing support by collaborating with healthcare providers to resolve mapping discrepancies and data entry challenges, ensuring data integrity and accuracy.